

# SAMSUNG

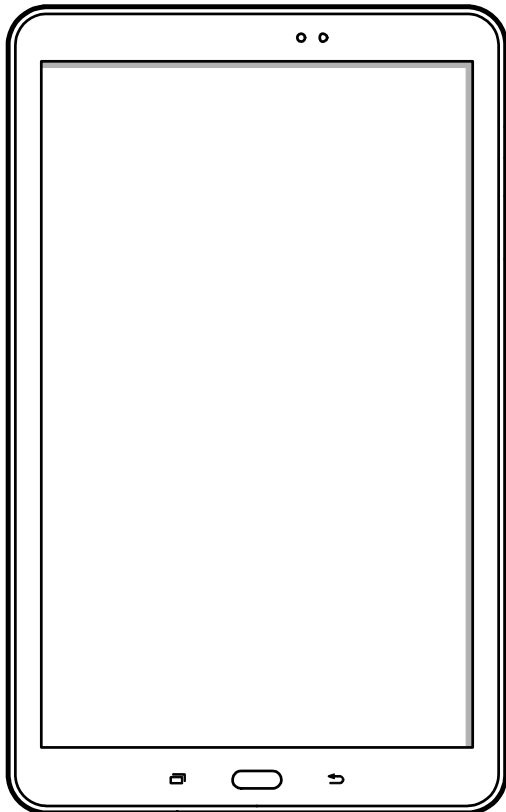
## Mobile Device SM-T580



# SERVICE *Manual*

Mobile Device

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# 1. Safety Precautions

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## 1-1. Repair Precaution

Before attempting any repair or detailed tuning, shield the device from RF noise or static electricity discharges.

Use only demagnetized tools that are specifically designed for small electronic repairs, as most electronic parts are sensitive to electromagnetic forces.

Use only high quality screwdrivers when servicing products. Low quality screwdrivers can easily damage the heads of screws.

Use only conductor wire of the properly gauge and insulation for low resistance, because of the low margin of error of most testing equipment.

We recommend 22-gauge twisted copper wire.

Hand-soldering is not recommended, because printed circuit boards (PCBs) can be easily damaged, even with relatively low heat. Never use a soldering iron with a power rating of more than 100 watts and use only lead-free solder with a melting point below 250°C (482°F).

Prior to disassembling the battery charger for repair, ensure that the AC power is disconnected.

Always use the replacement parts that are registered in the SEC system. Third-party replacement parts may not function properly.

# 1.Safety Precautions

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## 1-2. ESD(Electrostatically Sensitive Devices) Precaution

Many semiconductors and ESDs in electronic devices are particularly sensitive to static discharge and can be easily damaged by it. We recommend protecting these components with conductive anti-static bags when you store or transport them.

Always use an anti-static strap or wristband and remove electrostatic buildup or dissipate static electricity from your body before repairing ESDs.

Ensure that soldering irons have AC adapter with ground wires and that the ground wires are properly connected.

Use only desoldering tools with plastic tips to prevent static discharge.

Properly shield the work environment from accidental electrostatic discharge before opening packages containing ESDs.

The potential for static electricity discharge may be increased in low humidity environments, such as air-conditioned rooms. Increase the airflow to the working area to decrease the chance of accidental static electricity discharges.

## 2. Specification

N/A

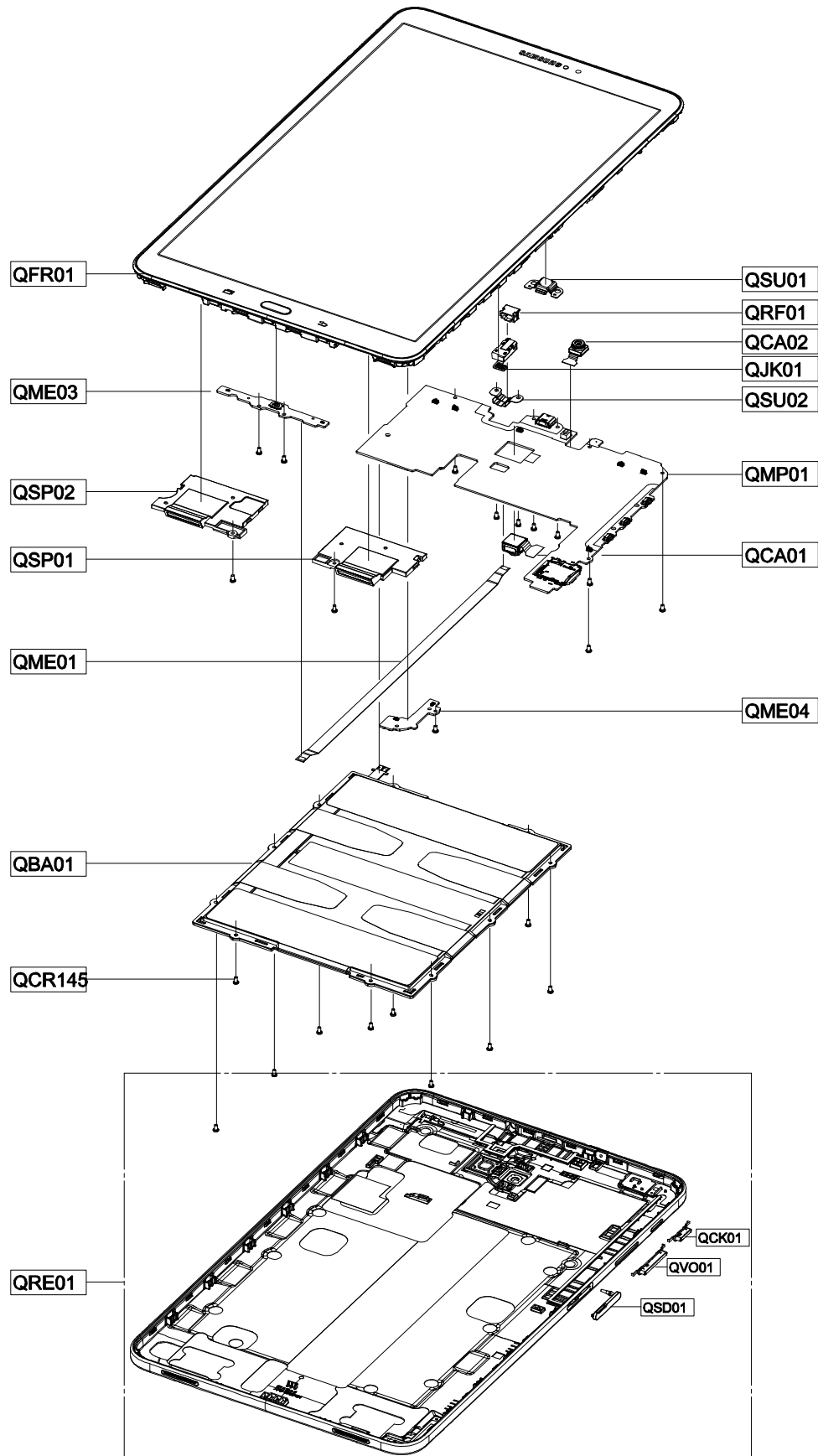
### 3. Operation Instruction and Installation

#### Main Function

Item	Description
OS	Android V6.0 (Marshmallow)
RF	2G : 850/900/180/1900 3G : B1,2,5,8 LTE : Band B1/3/5/7/8/20/40
Battery	7,300mAh
Base Band	Exynos 7870 Octa-Core 1.6GHz
Other RF	USB 2.0, BT4.1, GPS, Glonass, WIFI 802.11 a/b/g/n /ac 2.4GHz+5GHz
Camera	8.0MP AF, 2.0MP FF
LCD	10,1" 1920x1200(WUXGA), TFT, LCD
RAM	2G LPDDR3+16G eMMC
Sensor	Accelerometer, RGB Light,Hall Sensor
Accessory	Charger: 5V/2A Data cable: 3.0pi, 0.8m

## 4. Exploded View and Parts List

### 4-1. Cellular phone Exploded View



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## 4. Exploded View and Parts List

### 4-2. Cellular phone Parts list

Design LOC		Description	SEC CODE
QCR145		SCREW-MACHINE L2.5	6001-003193
QME01		FFC-HOME KEY (SM-T585)	GH41-05105A
QBA01		INNER BATTERY PACK-EB-BT585ABE,7300,30	GH43-04627A
QJK01		MODULE-EAR JACK FPCB (SM-T280)	GH59-14606A
QRF01		RUBBER-EARJACK	GH67-03160A
QMP01		A/S ASSY-PBA MAIN(COMM),SM-T580;SVC	GH82-12357A
QME03		A/S ASSY-HOME KEY PBA(IF SUB),SM-T580;	GH82-12358A
QME04		A/S ASSY-SUB PBA(SUB ANT),SM-T580	GH82-12359A
QSP01		ASSY SPEAKER-SPK R(SM-T585)	GH96-09957A
QCA02		ASSY CAMERA-2M 1/5"(SM-T536)	GH96-09959A
QSP02		ASSY SPEAKER-SPK L(SM-T580)	GH96-10007A
QCA01		ASSY CAMERA-8M AF_SM-T585	GH96-10043A
QFR01		SVC LCD ASSY-LCD,(E/BLK);SM-T585,DBT,BL	GH97-19022A
QSU01		ASSY BRACKET-IF SUS	GH98-39618A
QSU02		ASSY BRACKET-EARJACK SUS	GH98-39860A
QRE01		ASSY CASE-REAR SVC(EUROPE)	GH98-40212A
	QSD01	COVER-SD	GH63-12808A
	QCK01	KEY-POWER	GH64-05757A
	QVO01	KEY-VOLUME	GH64-05758A
		SVC JIG-TEST_100MM	GH81-09146A
		SVC JIG-CABLE-C-TC11-110	GH81-10631A

## 5. MAIN Electrical Parts List

Parts Code	Design Loc	Description
0403-002001	ZD4006	DIODE-ZENER
0404-001250	D4000	DIODE-SCHOTTKY
0404-001250	D4001	DIODE-SCHOTTKY
0404-001669	D6000	DIODE-SCHOTTKY
0406-001623	ZD4014	DIODE-TVS
0406-001645	ZD5001	DIODE-TVS
0406-001645	ZD5002	DIODE-TVS
0406-001682	D5000	DIODE-TVS
0406-001682	D5001	DIODE-TVS
0406-001682	D5002	DIODE-TVS
0406-001682	ZD5012	DIODE-TVS
0406-001690	ZD4010	DIODE-TVS
0406-001690	ZD4011	DIODE-TVS
0406-001690	ZD4012	DIODE-TVS
0406-001690	ZD4013	DIODE-TVS
0406-001690	ZD5007	DIODE-TVS
0406-001690	ZD5008	DIODE-TVS
0406-001690	ZD5009	DIODE-TVS
0406-001690	ZD5010	DIODE-TVS
0406-001690	ZD5011	DIODE-TVS
0406-001690	ZD7000	DIODE-TVS
0406-001690	ZD7001	DIODE-TVS
0406-001733	ZD4000	DIODE-TVS
0407-001055	ZD4007	DIODE-ARRAY
0505-002088	Q6000	FET-SILICON
0505-002341	TR4000	FET-SILICON
0505-003234	Q4000	FET-SILICON
0601-003526	LED4000	LED
1001-001968	U5004	IC-ANALOG MULTIPLEX
1009-001066	U7005	IC-HALL EFFECT S/W
1105-002710	UCP300UP	IC-DDR3 SDRAM
1107-002454	UME3000	IC-EMMC
1201-003790	U2004	IC-GPS AMP
1203-004819	U7006	IC-POSI.FIXED REG.
1203-004819	U7016	IC-POSI.FIXED REG.
1203-006767	U6003	IC-MULTI REG.
1203-008518	U6000	IC-SWITCH REG.
1203-008644	U6002	IC-BACKLIGHT DRIVER
1203-008646	U4006	IC-POWER SUPERVISOR
1203-008766	U2005	IC-DC/DC CONVERTER
1203-008767	U4007	IC-POWER SUPERVISOR
1205-005097	U4009	IC-SWITCH



## 5. MAIN Electrical Parts List

1205-005310	U2001	IC-GPS RECEIVER
1205-005367	U5005	IC-CODEC
1205-005564	U2010	IC-WIFI
1205-005565	UCP300	IC-MODEM
1205-005604	U6001	IC-TOUCH
1209-002275	U7001	IC-ACCELEROMETER SENSOR
1209-002331	U2006	IC-TOUCH SENSOR
1209-002351	U7008	IC-OPTICS SENSOR
1404-001471	TH4000	THERMISTOR-NTC
1404-001724	TH3000	THERMISTOR-NTC
1405-001375	VR2000	VARISTOR
1405-001375	VR5001	VARISTOR
1405-001404	VR7000	VARISTOR
1405-001404	VR7002	VARISTOR
2007-000138	R4024	R-CHIP
2007-000138	R4025	R-CHIP
2007-000138	R4026	R-CHIP
2007-000138	R5019	R-CHIP
2007-000138	R5026	R-CHIP
2007-000140	R2005	R-CHIP
2007-000140	R4028	R-CHIP
2007-000148	R6007	R-CHIP
2007-000162	R5017	R-CHIP
2007-000172	R5004	R-CHIP
2007-000172	R5006	R-CHIP
2007-007134	R6022	R-CHIP
2007-007142	R4035	R-CHIP
2007-007156	R4043	R-CHIP
2007-007538	R5018	R-CHIP
2007-007573	R5011	R-CHIP
2007-007798	R4014	R-CHIP
2007-007942	R3011	R-CHIP
2007-007942	R6018	R-CHIP
2007-007946	R3012	R-CHIP
2007-007946	R5010	R-CHIP
2007-008043	R4022	R-CHIP
2007-008045	R4034	R-CHIP
2007-008045	R6016	R-CHIP
2007-008055	R3018	R-CHIP
2007-008055	R3060	R-CHIP
2007-008055	R3061	R-CHIP
2007-008055	R3062	R-CHIP
2007-008055	R4029	R-CHIP

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2007-008055	R4041	R-CHIP
2007-008055	R5000	R-CHIP
2007-008055	R5003	R-CHIP
2007-008055	R6014	R-CHIP
2007-008055	R6015	R-CHIP
2007-008055	R6019	R-CHIP
2007-008419	R4003	R-CHIP
2007-008420	R4050	R-CHIP
2007-008483	R4020	R-CHIP
2007-008483	R4021	R-CHIP
2007-008486	R4004	R-CHIP
2007-008486	R4006	R-CHIP
2007-008516	R2008	R-CHIP
2007-008516	R2016	R-CHIP
2007-008516	R2023	R-CHIP
2007-008516	R2024	R-CHIP
2007-008516	R3004	R-CHIP
2007-008516	R3046	R-CHIP
2007-008516	R3047	R-CHIP
2007-008516	R3054	R-CHIP
2007-008516	R3057	R-CHIP
2007-008516	R3058	R-CHIP
2007-008516	R3059	R-CHIP
2007-008516	R5005	R-CHIP
2007-008516	R5007	R-CHIP
2007-008516	R6010	R-CHIP
2007-008588	R2002	R-CHIP
2007-008588	R2003	R-CHIP
2007-008588	R2004	R-CHIP
2007-008588	R3021	R-CHIP
2007-008588	R3022	R-CHIP
2007-008588	R3023	R-CHIP
2007-008588	R3024	R-CHIP
2007-008588	R3028	R-CHIP
2007-008588	R3029	R-CHIP
2007-008588	R3030	R-CHIP
2007-008588	R3033	R-CHIP
2007-008588	R3034	R-CHIP
2007-008588	R3035	R-CHIP
2007-008588	R3037	R-CHIP
2007-008588	R3039	R-CHIP
2007-008588	R3041	R-CHIP
2007-008588	R3042	R-CHIP

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2007-008588	R3043	R-CHIP
2007-008588	R3044	R-CHIP
2007-008588	R3064	R-CHIP
2007-008588	R3065	R-CHIP
2007-008588	R3066	R-CHIP
2007-008588	R3067	R-CHIP
2007-008588	R3068	R-CHIP
2007-008588	R3069	R-CHIP
2007-008588	R3070	R-CHIP
2007-008588	R3071	R-CHIP
2007-008774	R3063	R-CHIP
2007-008774	R4036	R-CHIP
2007-008774	R4037	R-CHIP
2007-008800	R3006	R-CHIP
2007-008800	R3008	R-CHIP
2007-008800	R3036	R-CHIP
2007-008800	R3038	R-CHIP
2007-008811	R2007	R-CHIP
2007-009084	R2028	R-CHIP
2007-009084	R4033	R-CHIP
2007-009111	R3007	R-CHIP
2007-009157	R3027	R-CHIP
2007-009170	R4055	R-CHIP
2007-009171	R3005	R-CHIP
2007-009171	R4040	R-CHIP
2007-009182	R6021	R-CHIP
2007-009212	R4018	R-CHIP
2007-009212	R5014	R-CHIP
2007-009223	R5015	R-CHIP
2007-009233	R2027	R-CHIP
2007-009315	R4002	R-CHIP
2007-009793	R5016	R-CHIP
2007-009920	R3001	R-CHIP
2007-009920	R3002	R-CHIP
2007-009920	R3009	R-CHIP
2007-009969	R5020	R-CHIP
2007-010856	R4042	R-CHIP
2007-011043	R3010	R-CHIP
2007-011377	R6020	R-CHIP
2203-000233	C6013	C-CER,CHIP
2203-000233	C6025	C-CER,CHIP
2203-000233	C6026	C-CER,CHIP
2203-000330	C2002	C-CER,CHIP

## 5. MAIN Electrical Parts List

2203-000386	C5011	C-CER,CHIP
2203-000386	C5047	C-CER,CHIP
2203-000386	C5049	C-CER,CHIP
2203-000386	C5056	C-CER,CHIP
2203-000812	C5051	C-CER,CHIP
2203-000854	C6016	C-CER,CHIP
2203-001101	C6018	C-CER,CHIP
2203-001153	C5016	C-CER,CHIP
2203-001153	C5018	C-CER,CHIP
2203-001153	C5019	C-CER,CHIP
2203-001153	C5046	C-CER,CHIP
2203-001153	C5048	C-CER,CHIP
2203-001153	C5055	C-CER,CHIP
2203-001239	C4087	C-CER,CHIP
2203-002687	C4084	C-CER,CHIP
2203-005288	C6017	C-CER,CHIP
2203-005344	C4051	C-CER,CHIP
2203-005682	C2003	C-CER,CHIP
2203-005717	C4101	C-CER,CHIP
2203-005725	C2056	C-CER,CHIP
2203-005729	C7028	C-CER,CHIP
2203-005731	C2000	C-CER,CHIP
2203-005736	C2001	C-CER,CHIP
2203-005736	C2006	C-CER,CHIP
2203-005736	C2008	C-CER,CHIP
2203-005736	C2010	C-CER,CHIP
2203-005736	C2011	C-CER,CHIP
2203-005736	C2012	C-CER,CHIP
2203-005736	C2047	C-CER,CHIP
2203-005736	C2053	C-CER,CHIP
2203-005736	C2068	C-CER,CHIP
2203-005736	L2013	C-CER,CHIP
2203-005740	C2004	C-CER,CHIP
2203-005740	C7022	C-CER,CHIP
2203-005777	C2078	C-CER,CHIP
2203-006121	C5014	C-CER,CHIP
2203-006121	C5015	C-CER,CHIP
2203-006137	C6003	C-CER,CHIP
2203-006137	C6005	C-CER,CHIP
2203-006194	C2079	C-CER,CHIP
2203-006208	C2029	C-CER,CHIP
2203-006305	L2008	C-CER,CHIP
2203-006324	C4098	C-CER,CHIP

## 5. MAIN Electrical Parts List

2203-006348	C4046	C-CER,CHIP
2203-006399	C2061	C-CER,CHIP
2203-006399	C2072	C-CER,CHIP
2203-006399	C2073	C-CER,CHIP
2203-006399	C2075	C-CER,CHIP
2203-006399	C2076	C-CER,CHIP
2203-006399	C2077	C-CER,CHIP
2203-006399	C3005	C-CER,CHIP
2203-006399	C3017	C-CER,CHIP
2203-006399	C3022	C-CER,CHIP
2203-006399	C3028	C-CER,CHIP
2203-006399	C3032	C-CER,CHIP
2203-006399	C3047	C-CER,CHIP
2203-006399	C3075	C-CER,CHIP
2203-006399	C3077	C-CER,CHIP
2203-006399	C3079	C-CER,CHIP
2203-006399	C3081	C-CER,CHIP
2203-006399	C3088	C-CER,CHIP
2203-006399	C4008	C-CER,CHIP
2203-006399	C4011	C-CER,CHIP
2203-006399	C4012	C-CER,CHIP
2203-006399	C4033	C-CER,CHIP
2203-006399	C4034	C-CER,CHIP
2203-006399	C4038	C-CER,CHIP
2203-006399	C4091	C-CER,CHIP
2203-006399	C5001	C-CER,CHIP
2203-006399	C5020	C-CER,CHIP
2203-006399	C5021	C-CER,CHIP
2203-006399	C5038	C-CER,CHIP
2203-006399	C5053	C-CER,CHIP
2203-006399	C6022	C-CER,CHIP
2203-006399	C6024	C-CER,CHIP
2203-006399	C7003	C-CER,CHIP
2203-006399	C7014	C-CER,CHIP
2203-006399	C7031	C-CER,CHIP
2203-006400	C4067	C-CER,CHIP
2203-006410	C4097	C-CER,CHIP
2203-006423	C2032	C-CER,CHIP
2203-006423	C2034	C-CER,CHIP
2203-006423	C2035	C-CER,CHIP
2203-006423	C2036	C-CER,CHIP
2203-006423	C2037	C-CER,CHIP
2203-006423	C2038	C-CER,CHIP

## 5. MAIN Electrical Parts List

2203-006423	C2039	C-CER,CHIP
2203-006423	C2041	C-CER,CHIP
2203-006423	C2043	C-CER,CHIP
2203-006423	C2045	C-CER,CHIP
2203-006423	C2046	C-CER,CHIP
2203-006423	C2049	C-CER,CHIP
2203-006423	C2062	C-CER,CHIP
2203-006423	C3001	C-CER,CHIP
2203-006423	C3002	C-CER,CHIP
2203-006423	C3016	C-CER,CHIP
2203-006423	C3034	C-CER,CHIP
2203-006423	C3083	C-CER,CHIP
2203-006423	C3085	C-CER,CHIP
2203-006423	C4043	C-CER,CHIP
2203-006423	C4069	C-CER,CHIP
2203-006423	C4073	C-CER,CHIP
2203-006423	C4096	C-CER,CHIP
2203-006423	C5003	C-CER,CHIP
2203-006423	C5004	C-CER,CHIP
2203-006423	C5005	C-CER,CHIP
2203-006423	C5008	C-CER,CHIP
2203-006423	C5033	C-CER,CHIP
2203-006423	C5035	C-CER,CHIP
2203-006423	C7008	C-CER,CHIP
2203-006423	C7010	C-CER,CHIP
2203-006423	C7017	C-CER,CHIP
2203-006462	C2009	C-CER,CHIP
2203-006556	C2074	C-CER,CHIP
2203-006562	C6002	C-CER,CHIP
2203-006562	C6004	C-CER,CHIP
2203-006562	C6006	C-CER,CHIP
2203-006562	C6021	C-CER,CHIP
2203-006562	C7004	C-CER,CHIP
2203-006562	C7013	C-CER,CHIP
2203-006668	C3039	C-CER,CHIP
2203-006668	C4074	C-CER,CHIP
2203-006839	C5007	C-CER,CHIP
2203-006844	C6019	C-CER,CHIP
2203-006872	C2064	C-CER,CHIP
2203-006872	C4036	C-CER,CHIP
2203-006872	C4037	C-CER,CHIP
2203-006872	C5006	C-CER,CHIP
2203-006872	C5009	C-CER,CHIP

## 5. MAIN Electrical Parts List

2203-006872	C5013	C-CER,CHIP
2203-006872	C5017	C-CER,CHIP
2203-006872	C6001	C-CER,CHIP
2203-006872	C6010	C-CER,CHIP
2203-006872	C7024	C-CER,CHIP
2203-006872	C7027	C-CER,CHIP
2203-006890	R5021	C-CER,CHIP
2203-006890	R5022	C-CER,CHIP
2203-006978	C4083	C-CER,CHIP
2203-007240	C4052	C-CER,CHIP
2203-007240	C4055	C-CER,CHIP
2203-007240	C4057	C-CER,CHIP
2203-007240	C4058	C-CER,CHIP
2203-007270	C2063	C-CER,CHIP
2203-007270	C4028	C-CER,CHIP
2203-007270	C4054	C-CER,CHIP
2203-007270	C5000	C-CER,CHIP
2203-007270	C5002	C-CER,CHIP
2203-007270	C6014	C-CER,CHIP
2203-007271	C2048	C-CER,CHIP
2203-007271	C2071	C-CER,CHIP
2203-007271	C4080	C-CER,CHIP
2203-007271	C4086	C-CER,CHIP
2203-007279	C4023	C-CER,CHIP
2203-007279	C4024	C-CER,CHIP
2203-007279	C4025	C-CER,CHIP
2203-007279	C4026	C-CER,CHIP
2203-007279	C4027	C-CER,CHIP
2203-007279	C4048	C-CER,CHIP
2203-007279	C4082	C-CER,CHIP
2203-007317	C3000	C-CER,CHIP
2203-007317	C3003	C-CER,CHIP
2203-007317	C3020	C-CER,CHIP
2203-007317	C3024	C-CER,CHIP
2203-007317	C3027	C-CER,CHIP
2203-007317	C3037	C-CER,CHIP
2203-007317	C3046	C-CER,CHIP
2203-007317	C3067	C-CER,CHIP
2203-007317	C3068	C-CER,CHIP
2203-007317	C4001	C-CER,CHIP
2203-007317	C4004	C-CER,CHIP
2203-007317	C4005	C-CER,CHIP
2203-007317	C4006	C-CER,CHIP

## 5. MAIN Electrical Parts List

2203-007317	C4035	C-CER,CHIP
2203-007317	C5024	C-CER,CHIP
2203-007317	C5025	C-CER,CHIP
2203-007317	C5027	C-CER,CHIP
2203-007317	C5028	C-CER,CHIP
2203-007317	C5034	C-CER,CHIP
2203-007317	C5036	C-CER,CHIP
2203-007317	C5037	C-CER,CHIP
2203-007317	C5039	C-CER,CHIP
2203-007317	C7025	C-CER,CHIP
2203-007385	C3040	C-CER,CHIP
2203-007391	C2021	C-CER,CHIP
2203-007391	C2022	C-CER,CHIP
2203-007392	C4066	C-CER,CHIP
2203-007392	C4081	C-CER,CHIP
2203-007393	C2024	C-CER,CHIP
2203-007393	C4044	C-CER,CHIP
2203-007449	C2030	C-CER,CHIP
2203-007449	C2031	C-CER,CHIP
2203-007449	C2033	C-CER,CHIP
2203-007449	C2040	C-CER,CHIP
2203-007449	C2042	C-CER,CHIP
2203-007449	C2044	C-CER,CHIP
2203-007449	C2050	C-CER,CHIP
2203-007449	C2051	C-CER,CHIP
2203-007449	C2052	C-CER,CHIP
2203-007449	C3004	C-CER,CHIP
2203-007449	C3006	C-CER,CHIP
2203-007449	C3007	C-CER,CHIP
2203-007449	C3008	C-CER,CHIP
2203-007449	C3009	C-CER,CHIP
2203-007449	C3010	C-CER,CHIP
2203-007449	C3011	C-CER,CHIP
2203-007449	C3012	C-CER,CHIP
2203-007449	C3013	C-CER,CHIP
2203-007449	C3014	C-CER,CHIP
2203-007449	C3015	C-CER,CHIP
2203-007449	C3018	C-CER,CHIP
2203-007449	C3019	C-CER,CHIP
2203-007449	C3021	C-CER,CHIP
2203-007449	C3023	C-CER,CHIP
2203-007449	C3025	C-CER,CHIP
2203-007449	C3026	C-CER,CHIP



## 5. MAIN Electrical Parts List

2203-007449	C3029	C-CER,CHIP
2203-007449	C3030	C-CER,CHIP
2203-007449	C3031	C-CER,CHIP
2203-007449	C3033	C-CER,CHIP
2203-007449	C3035	C-CER,CHIP
2203-007449	C3036	C-CER,CHIP
2203-007449	C3038	C-CER,CHIP
2203-007449	C3041	C-CER,CHIP
2203-007449	C3043	C-CER,CHIP
2203-007449	C3044	C-CER,CHIP
2203-007449	C3045	C-CER,CHIP
2203-007449	C3048	C-CER,CHIP
2203-007449	C3049	C-CER,CHIP
2203-007449	C3051	C-CER,CHIP
2203-007449	C3052	C-CER,CHIP
2203-007449	C3053	C-CER,CHIP
2203-007449	C3054	C-CER,CHIP
2203-007449	C3055	C-CER,CHIP
2203-007449	C3056	C-CER,CHIP
2203-007449	C3057	C-CER,CHIP
2203-007449	C3058	C-CER,CHIP
2203-007449	C3059	C-CER,CHIP
2203-007449	C3060	C-CER,CHIP
2203-007449	C3061	C-CER,CHIP
2203-007449	C3062	C-CER,CHIP
2203-007449	C3063	C-CER,CHIP
2203-007449	C3064	C-CER,CHIP
2203-007449	C3065	C-CER,CHIP
2203-007449	C3066	C-CER,CHIP
2203-007449	C3069	C-CER,CHIP
2203-007449	C3070	C-CER,CHIP
2203-007449	C3073	C-CER,CHIP
2203-007449	C3074	C-CER,CHIP
2203-007449	C3076	C-CER,CHIP
2203-007449	C3078	C-CER,CHIP
2203-007449	C3080	C-CER,CHIP
2203-007449	C4002	C-CER,CHIP
2203-007449	C4003	C-CER,CHIP
2203-007449	C4007	C-CER,CHIP
2203-007449	C4009	C-CER,CHIP
2203-007449	C4010	C-CER,CHIP
2203-007449	C4014	C-CER,CHIP
2203-007449	C4015	C-CER,CHIP

## 5. MAIN Electrical Parts List

2203-007449	C4016	C-CER,CHIP
2203-007449	C4017	C-CER,CHIP
2203-007449	C4030	C-CER,CHIP
2203-007449	C4031	C-CER,CHIP
2203-007449	C4032	C-CER,CHIP
2203-007449	C4039	C-CER,CHIP
2203-007449	C4040	C-CER,CHIP
2203-007449	C4041	C-CER,CHIP
2203-007449	C4042	C-CER,CHIP
2203-007449	C4056	C-CER,CHIP
2203-007449	C4059	C-CER,CHIP
2203-007449	C4063	C-CER,CHIP
2203-007449	C4088	C-CER,CHIP
2203-007449	C4089	C-CER,CHIP
2203-007449	C4090	C-CER,CHIP
2203-007449	C4092	C-CER,CHIP
2203-007449	C5010	C-CER,CHIP
2203-007449	C5022	C-CER,CHIP
2203-007449	C5023	C-CER,CHIP
2203-007474	C3042	C-CER,CHIP
2203-007474	C7007	C-CER,CHIP
2203-007781	C4065	C-CER,CHIP
2203-007790	C4100	C-CER,CHIP
2203-007790	C6012	C-CER,CHIP
2203-007790	C6015	C-CER,CHIP
2203-007795	C2023	C-CER,CHIP
2203-007796	C4075	C-CER,CHIP
2203-008394	C2080	C-CER,CHIP
2203-008654	C4049	C-CER,CHIP
2203-008790	C2060	C-CER,CHIP
2203-008860	C4022	C-CER,CHIP
2203-008860	C4050	C-CER,CHIP
2203-008860	C4062	C-CER,CHIP
2203-008860	C4064	C-CER,CHIP
2203-009328	C4061	C-CER,CHIP
2203-009551	C4053	C-CER,CHIP
2203-009733	C4021	C-CER,CHIP
2203-009733	C4060	C-CER,CHIP
2203-009733	C4085	C-CER,CHIP
2203-009733	C6000	C-CER,CHIP
2203-009733	C6007	C-CER,CHIP
2203-009733	C6008	C-CER,CHIP
2203-009733	C6009	C-CER,CHIP

## 5. MAIN Electrical Parts List

2203-009733	C6011	C-CER,CHIP
2703-002309	L5012	INDUCTOR-SMD
2703-002313	L2011	INDUCTOR-SMD
2703-002367	C2018	INDUCTOR-SMD
2703-002367	L2000	INDUCTOR-SMD
2703-002951	L2005	INDUCTOR-SMD
2703-002951	L2006	INDUCTOR-SMD
2703-002959	L3002	INDUCTOR-SMD
2703-002961	L2004	INDUCTOR-SMD
2703-002961	L2016	INDUCTOR-SMD
2703-004013	C2017	INDUCTOR-SMD
2703-004036	L4007	INDUCTOR-SMD
2703-004299	C2067	INDUCTOR-SMD
2703-004332	L6000	INDUCTOR-SMD
2703-004366	L2015	INDUCTOR-SMD
2703-004371	L2009	INDUCTOR-SMD
2703-004530	L6001	INDUCTOR-SMD
2703-005038	L2012	INDUCTOR-SMD
2703-005067	L2010	INDUCTOR-SMD
2703-005067	L4002	INDUCTOR-SMD
2703-005067	L4003	INDUCTOR-SMD
2703-005067	L4004	INDUCTOR-SMD
2703-005067	L4005	INDUCTOR-SMD
2703-005067	L4006	INDUCTOR-SMD
2703-005340	L4001	INDUCTOR-SMD
2801-005154	OSC2000	CRYSTAL-SMD
2801-005254	OSC4000	CRYSTAL-SMD
2805-001113	OSC2002	OSCILLATOR-TCXO
2805-001113	TCX4000	OSCILLATOR-TCXO
2904-002168	F2003	FILTER-SAW
2904-002169	F2002	FILTER-SAW
2904-002314	F2001	FILTER-SAW
3003-001233	AU5000	MIC MEMS
3301-001534	L7005	BEAD-SMD
3301-001876	L7007	BEAD-SMD
3301-001885	L5001	BEAD-SMD
3301-001885	L5003	BEAD-SMD
3301-001885	L5010	BEAD-SMD
3301-001885	L5013	BEAD-SMD
3301-001885	L5014	BEAD-SMD
3301-001885	L5016	BEAD-SMD
3301-002037	L6002	BEAD-SMD
3301-002078	L7006	BEAD-SMD

## 5. MAIN Electrical Parts List

3301-002122	L5002	BEAD-SMD
3301-002122	L5004	BEAD-SMD
3301-002122	L5006	BEAD-SMD
3301-002122	L5007	BEAD-SMD
3301-002122	L5008	BEAD-SMD
3301-002122	L5009	BEAD-SMD
3301-002238	L2003	BEAD-SMD
3301-002254	L4000	BEAD-SMD
3301-002312	L3001	BEAD-SMD
3404-001540	TAC4000	SWITCH-TACT
3404-001540	TAC4001	SWITCH-TACT
3404-001540	TAC4002	SWITCH-TACT
3404-001542	SW7000	SWITCH-TACT
3708-002162	HEA7000	CONNECTOR-FPC/FFC/PIC
3708-003132	HEA5000	CONNECTOR-FPC/FFC/PIC
3708-003132	HEA7001	CONNECTOR-FPC/FFC/PIC
3708-003167	SCL6000	CONNECTOR-FPC/FFC/PIC
3708-003187	HEA6000	CONNECTOR-FPC/FFC/PIC
3708-003254	HDC7000	CONNECTOR-FPC/FFC/PIC
3708-003263	SLC4000	CONNECTOR-FPC/FFC/PIC
3709-001811	SD4000	CONNECTOR-CARD EDGE
3711-008347	HEA5001	HEADER-BOARD TO BOARD
3712-001604	ANT2000	CONNECTOR-TERMINAL
3712-001604	ANT2001	CONNECTOR-TERMINAL
3712-001634	CON2001	CONNECTOR-TERMINAL
3712-001634	CON2002	CONNECTOR-TERMINAL
3712-001634	CON2003	CONNECTOR-TERMINAL
3712-001634	CON2004	CONNECTOR-TERMINAL
3712-001634	CON2005	CONNECTOR-TERMINAL
3712-001694	CON7001	CONNECTOR-TERMINAL
3712-001694	CON7002	CONNECTOR-TERMINAL
3712-001694	CON7004	CONNECTOR-TERMINAL
3712-001694	CON7005	CONNECTOR-TERMINAL
3722-003700	IFC4000	JACK-MICRO USB
4709-002284	F2000	FREQ-DISTRIBUTER
GH62-00040A	CN7002	PAD GAP-SMD GASKET (SM-G925F)
GH62-00044A	CN7000	PAD GAP-SMD GASKET(SM-T555)
GH63-12801A	SC2003	SHIELD-COVER A
GH63-12802A	SC2000	SHIELD-FRAME B
GH61-11529A	SUS2000	SHIELD-SD SUS
GH98-39624A	SC2002	ASSY COVER-SHIELD CAN D

Please consult the GSPN website (Samsung Portal) for the most recent version of the product's part list.

## 6. Level 1 Repair

### 6-1. S/W installation

#### 6-1-1. Required items in order to install S/W

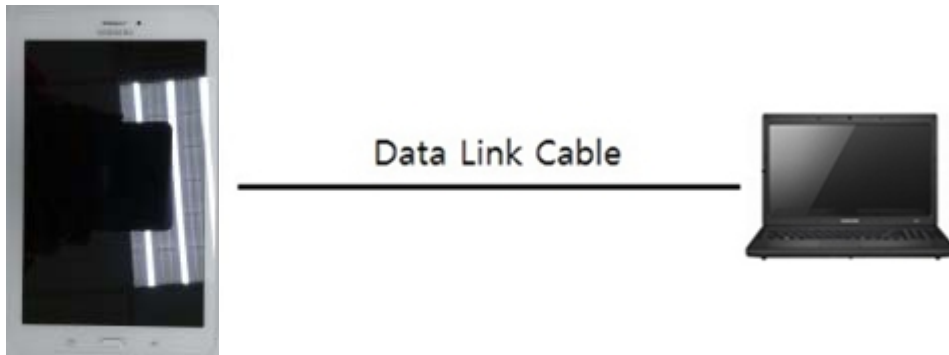
Installation program: Downloader Program ([Odin3 v3.10.7.exe](#))

SM-T580 set

Data Cable

Mobile device specific S/W: Binary files

#### ※ Settings

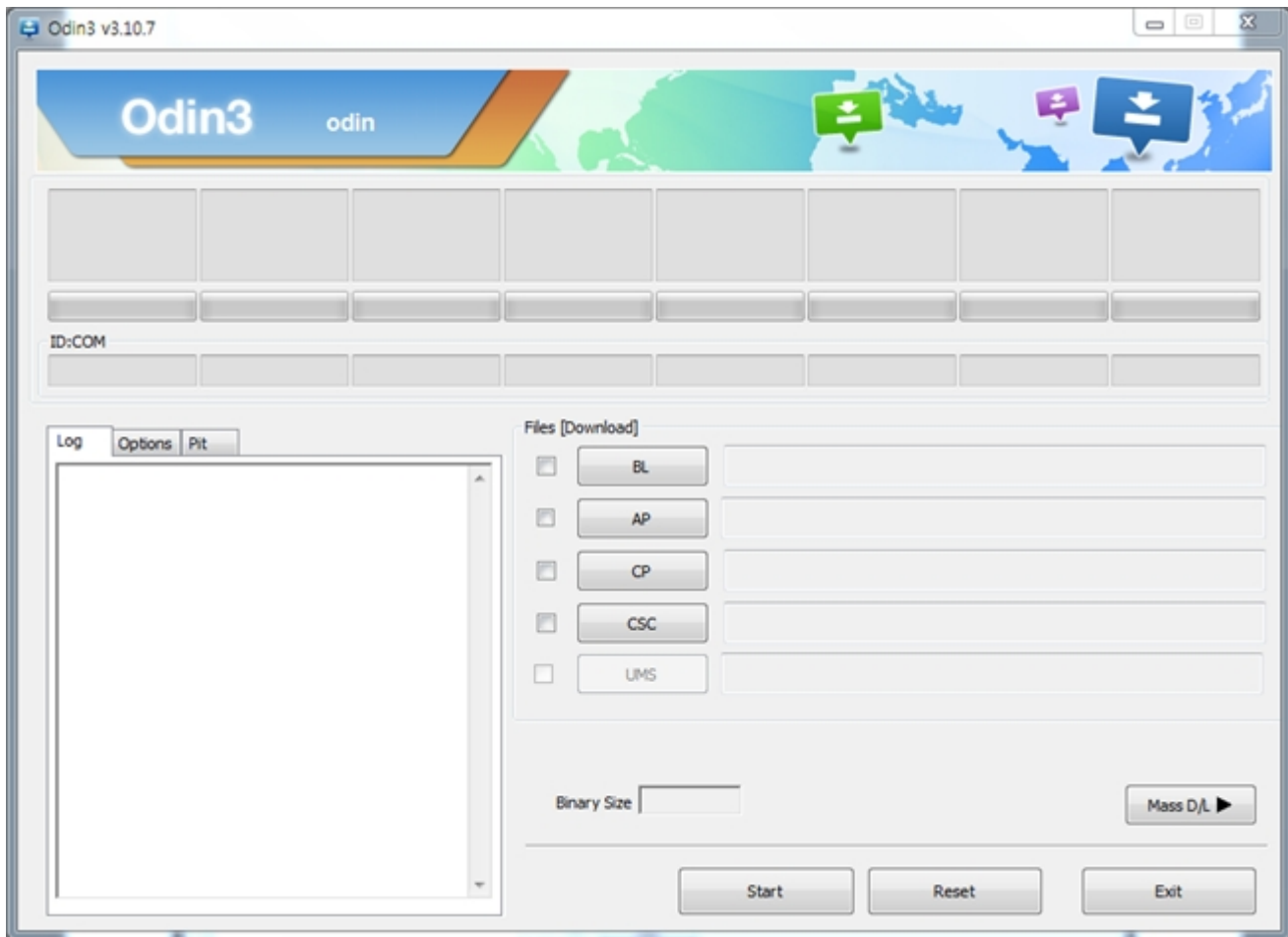


Data Cable : GH39-01710D

## 6. Level 1 Repair

### 6-1-2. S/W Installation Program (Downloader program)

Open up the S/W Installation Program by executing the **"Odin3 v3.10.7.exe"**

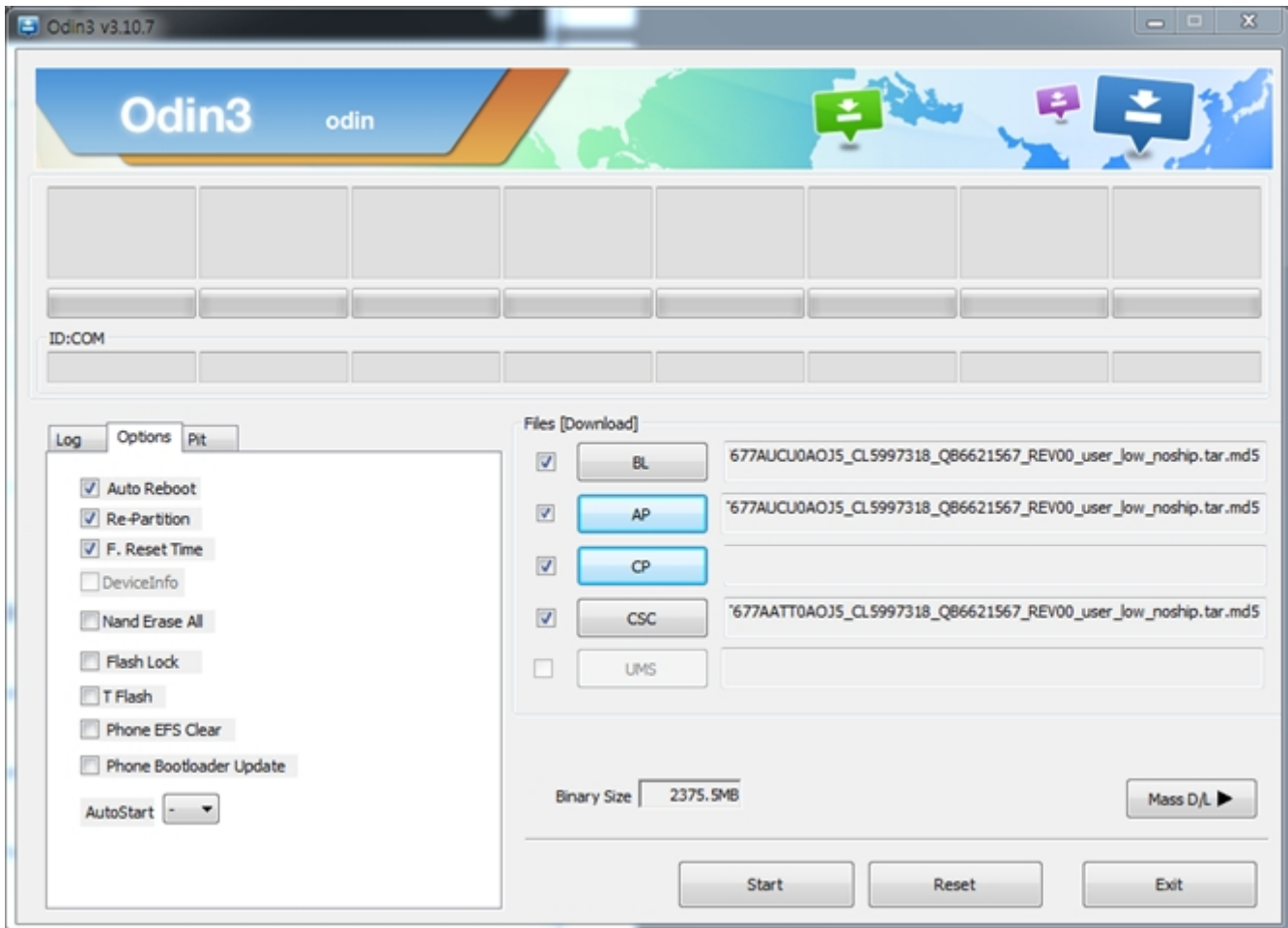


## 6. Level 1 Repair

1. Enable the check mark by click on the following options,

- Check Auto Reboot, Re-Partition, and F. Reset Time
- Check PIT
- Check BL, AP, and CSC Files

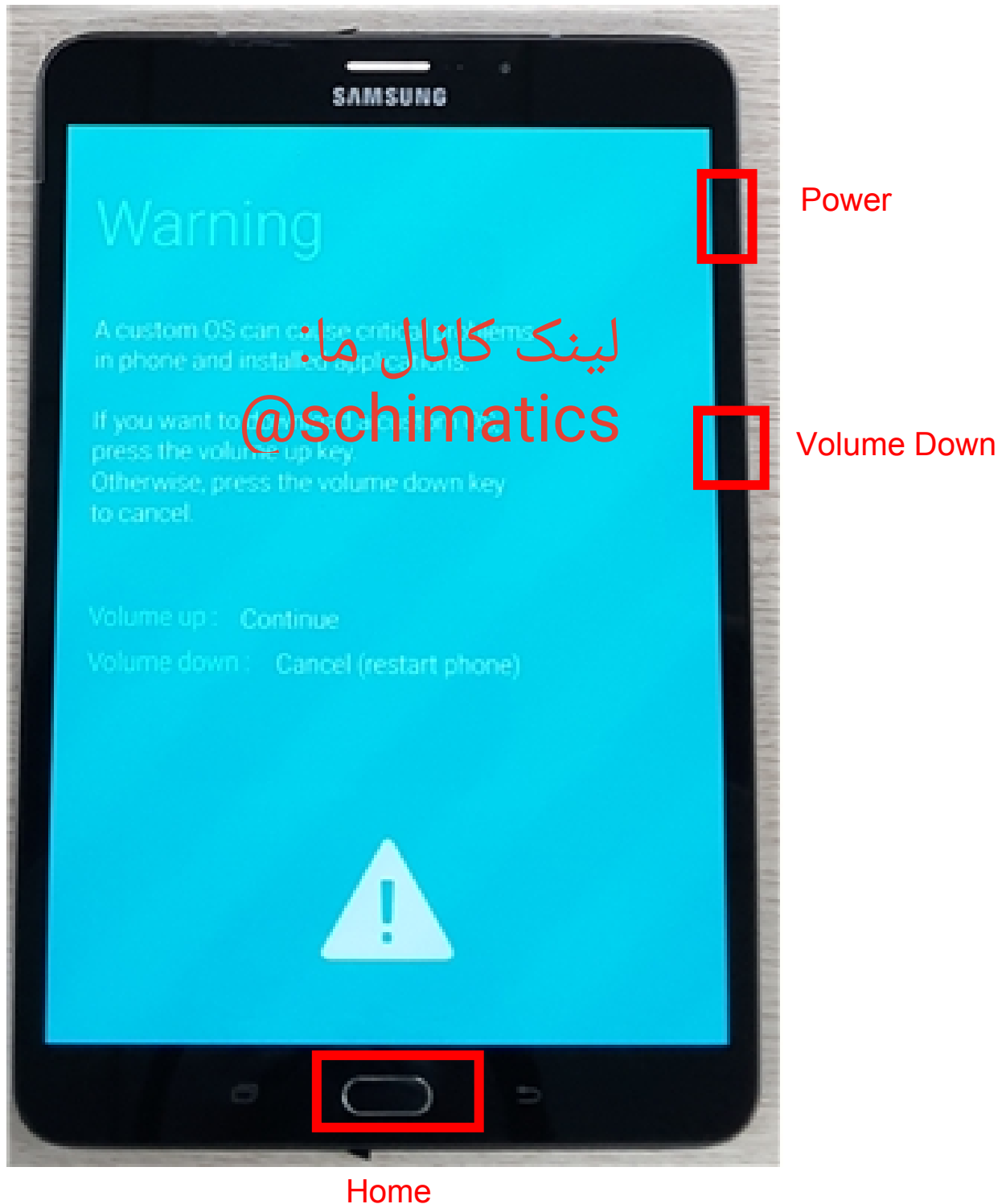
\* Note : "Odin v3.10 or above" checks MD5 checksum just after file selection.



## 6. Level 1 Repair

### 2. Enter into Download Mode

- Enter into Download Mode by pressing Home button, Volume Down button and Power On/Off Button simultaneously followed by pressing Volume up button as a direction of the phone.

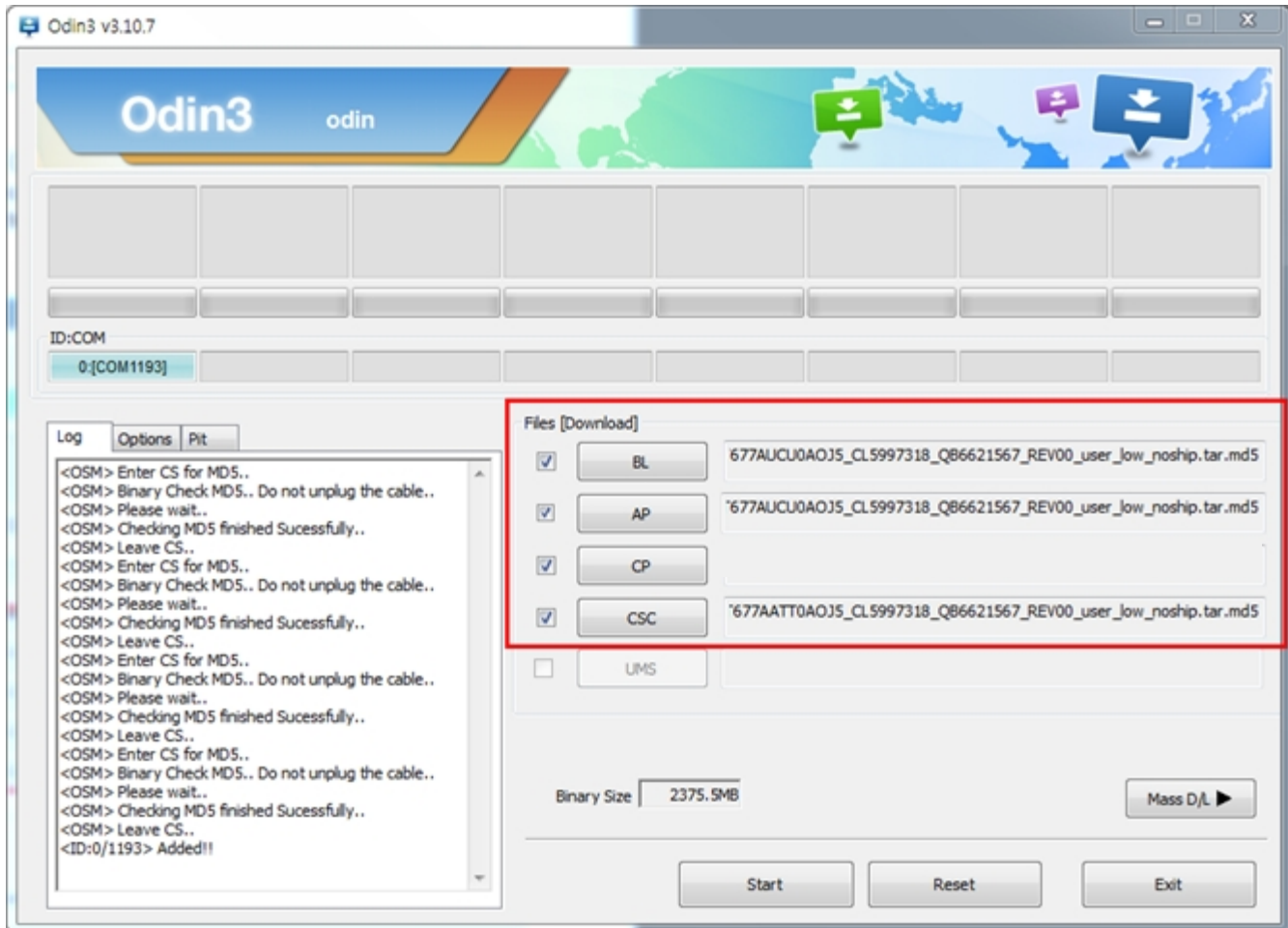




## 6. Level 1 Repair

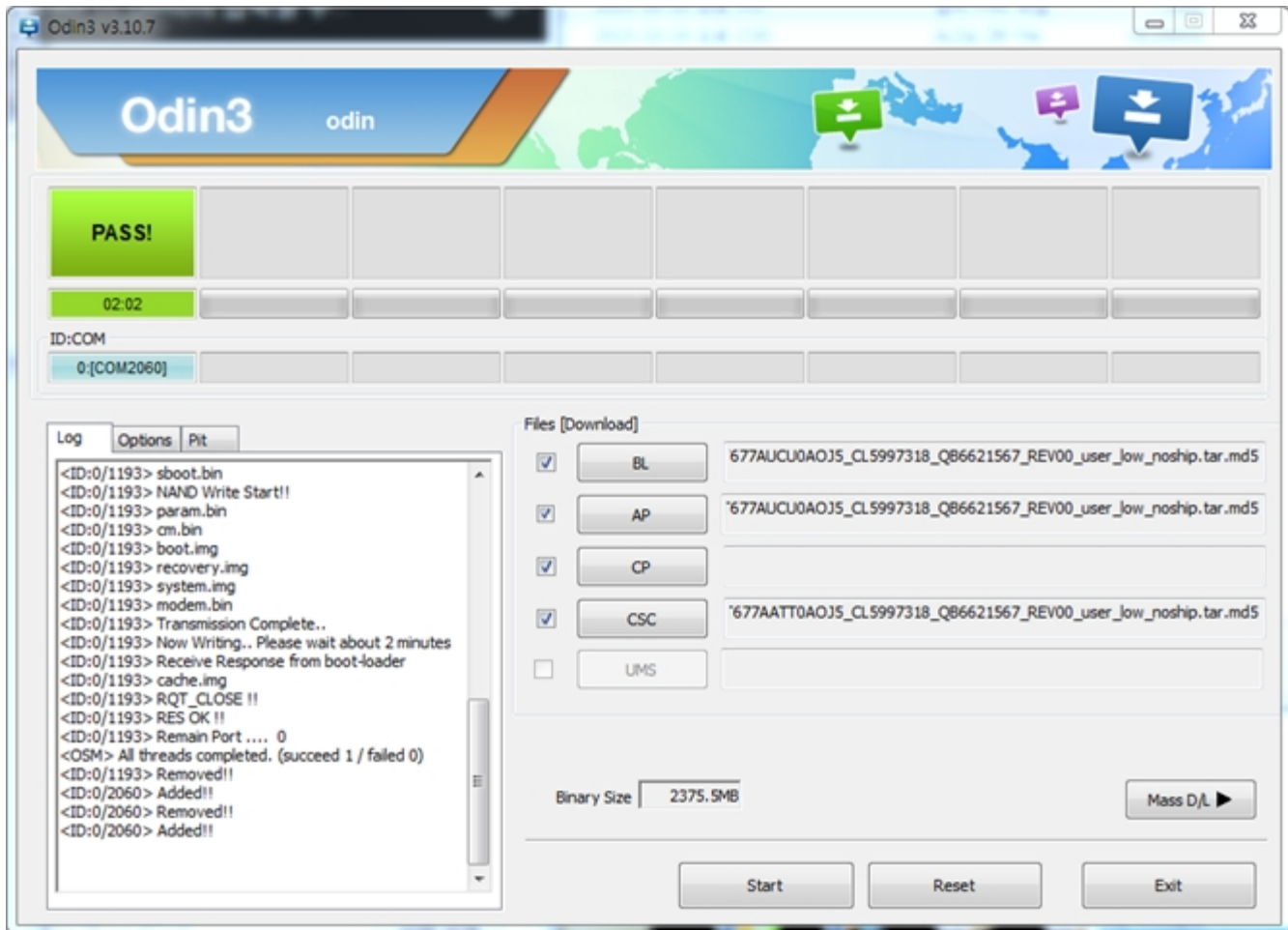
### 3. Connect the device to PC via Data Cable.

Make sure that the one of communication ports [ID:COM] box is highlighted in sky blue. The device is now connected with the PC and ready to download the binary files in it.



## 6. Level 1 Repair

4. Start downloading the binary files into the device by clicking Start button on the screen. The green colored "PASS!" sign will appear on the upper-left box if the binary files have been successfully downloaded into the device.



5. Disconnect the device from the Data cable.
6. Once the device boots up, you can check the version of the binary file or name by pressing the following code in sequence;

**\*#1234#**

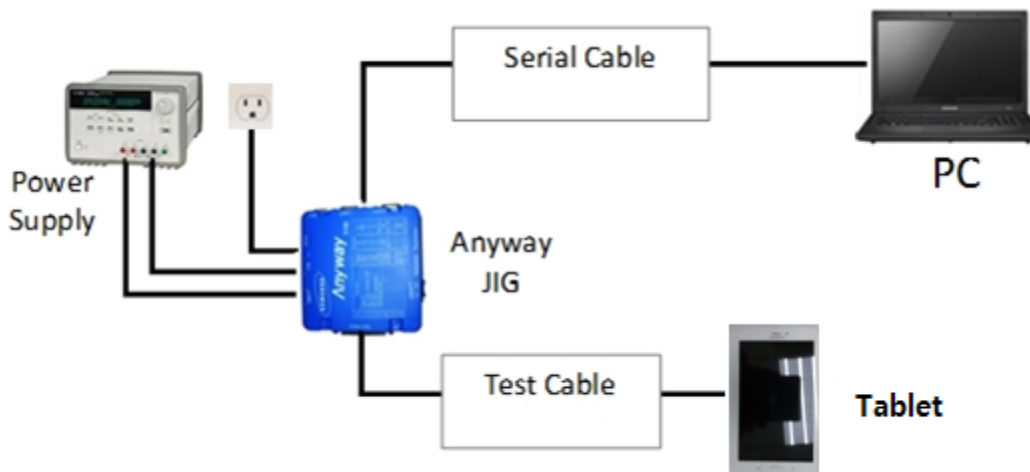
You can perform Factory Reset by Settings → Accounts → Backup and reset

## 6. Level 1 Repair

### 6-2 IMEI writing

#### 6-2-1 Preparation

- New IMEI writing Program has been released.
- Supported Model : Models which CAB files are uploaded on HHPsvc INI File category, instead of ini file.
- Refer to below IMEI writing procedure.
- **H/W**



#### - S/W

① Library Install	To use Daseul, library files should be installed. Refer to SVC Bulletin “(11-82) Daseul (New IMEI writing Program) Library Install guide_rev1.0”
② Launcher	DASEUL_SVC_Launcher_v3_0_25 or higher -Uploaded on HHPsvc Notice
③ Runtime File	1. DASEUL_Runtime_Ver_3.1.139.0.CAB or higher -Uploaded on HHPsvc Notice 2. Make 'ModelName' folder at the same position with launcher & Runtime file.
④ Model File	Copy Model File under the 'Model Name' folder

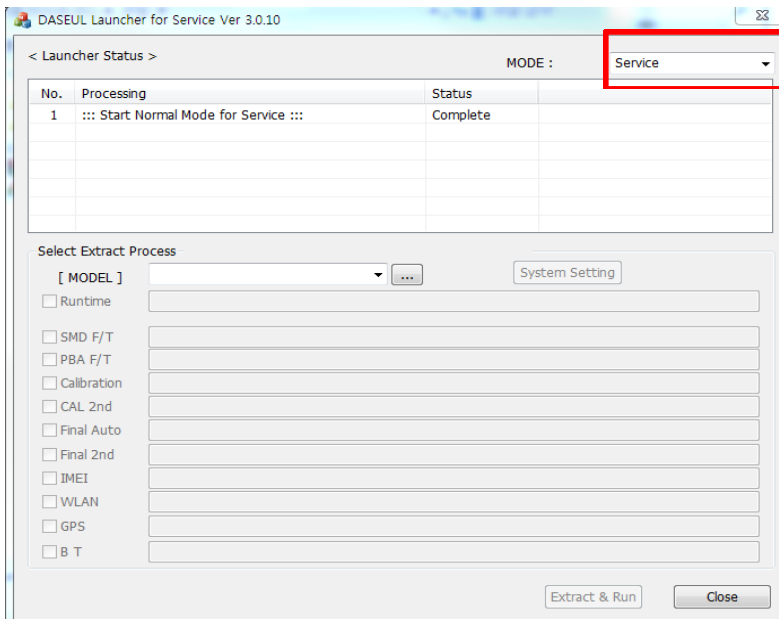
## 6. Level 1 Repair

### 6-2-2 IMEI writing Process

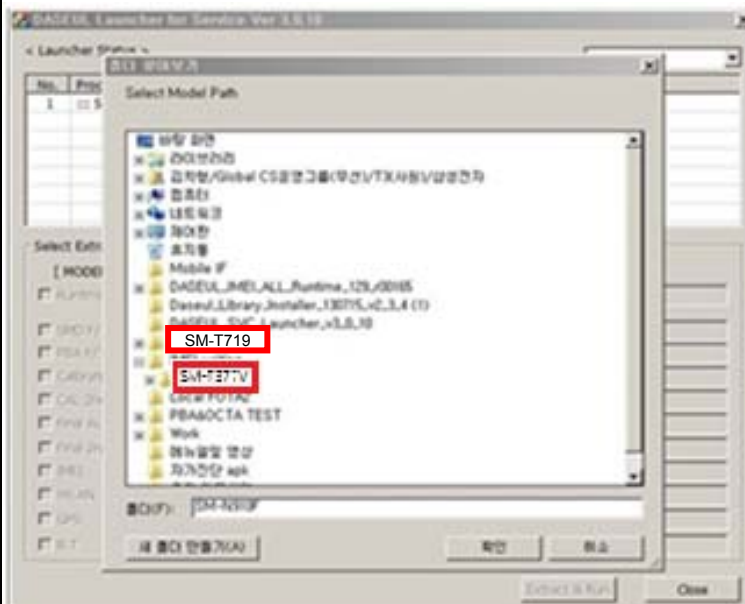
#### 1. Run DASEUL\_SVC\_Launcher\_v3.0.10.exe

DASEUL\_SVC\_Launcher\_v3.0.10.exe

#### 2. Select Service Mode

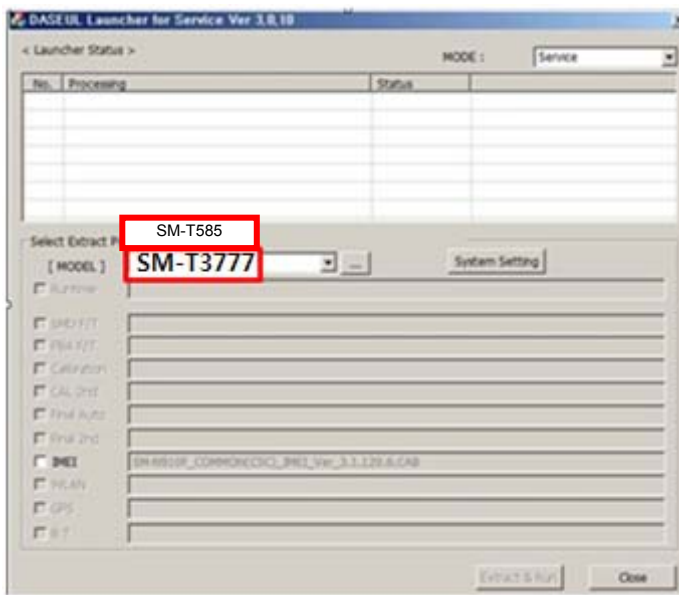


#### 3. Click and Select folder where the Launcher exists



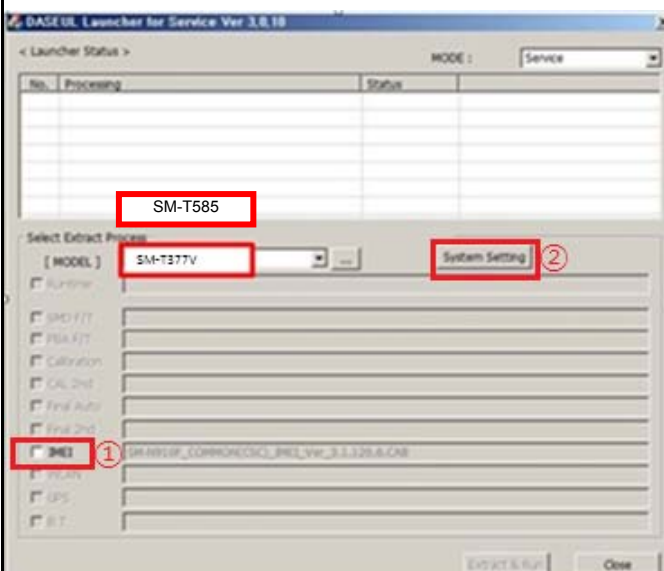
## 6. Level 1 Repair

### 4. Select Model



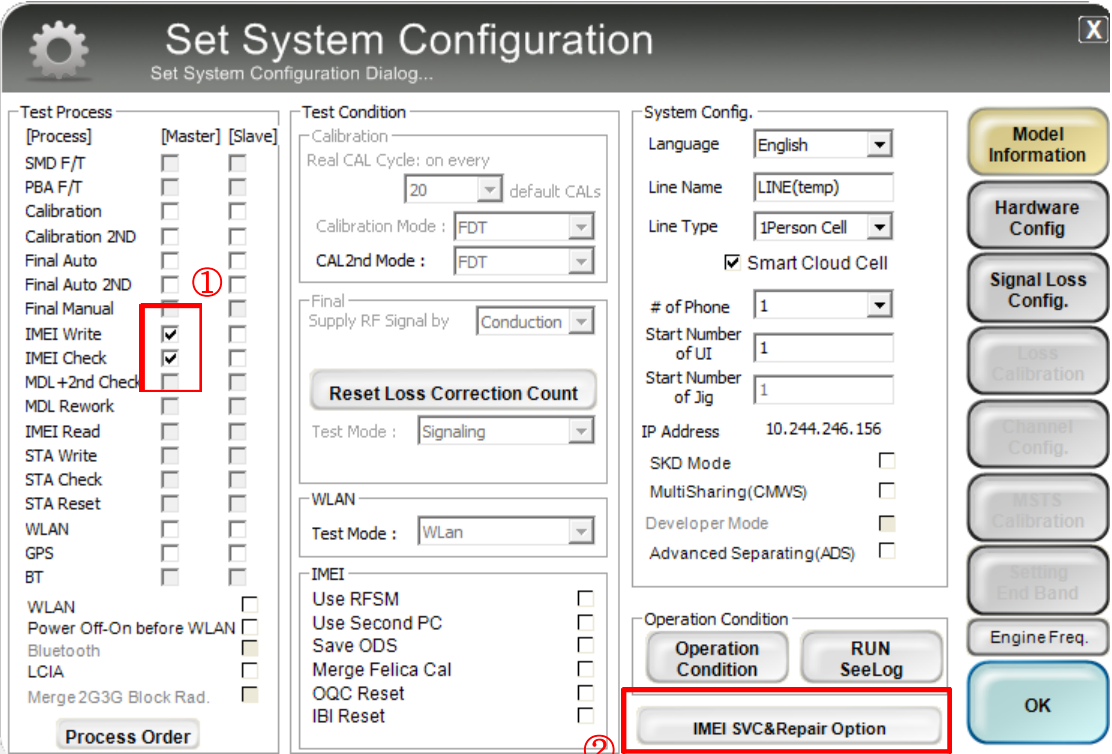
### 5. Check IMEI and click System Setting

✖Once you setup the setting, you don't have to do it again, unless there is change. From second run of the IMEI program, check IMEI and click Extract & Run.



## 6. Level 1 Repair

6. Check IMEI Write / IMEI Check and click IMEI SVC & Repair Option.



**Set System Configuration**  
Set System Configuration Dialog...

**Test Process**

[Process]	[Master]	[Slave]
SMD F/T	<input type="checkbox"/>	<input type="checkbox"/>
PBA F/T	<input type="checkbox"/>	<input type="checkbox"/>
Calibration	<input type="checkbox"/>	<input type="checkbox"/>
Calibration 2ND	<input type="checkbox"/>	<input type="checkbox"/>
Final Auto	<input type="checkbox"/>	<input type="checkbox"/>
Final Auto 2ND	<input type="checkbox"/>	<input type="checkbox"/>
Final Manual	<input type="checkbox"/>	<input type="checkbox"/>
IMEI Write	<input checked="" type="checkbox"/>	<input type="checkbox"/>
IMEI Check	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MDL +2nd Ched	<input type="checkbox"/>	<input type="checkbox"/>
MDL Rework	<input type="checkbox"/>	<input type="checkbox"/>
IMEI Read	<input type="checkbox"/>	<input type="checkbox"/>
STA Write	<input type="checkbox"/>	<input type="checkbox"/>
STA Check	<input type="checkbox"/>	<input type="checkbox"/>
STA Reset	<input type="checkbox"/>	<input type="checkbox"/>
WLAN	<input type="checkbox"/>	<input type="checkbox"/>
GPS	<input type="checkbox"/>	<input type="checkbox"/>
BT	<input type="checkbox"/>	<input type="checkbox"/>
WLAN	<input type="checkbox"/>	<input type="checkbox"/>
Power Off-On before WLAN	<input type="checkbox"/>	<input type="checkbox"/>
Bluetooth	<input type="checkbox"/>	<input type="checkbox"/>
LCIA	<input type="checkbox"/>	<input type="checkbox"/>
Merge 2G3G Block Rad.	<input type="checkbox"/>	<input type="checkbox"/>

**Test Condition**

Calibration  
Real CAL Cycle: on every  
20 default CALs  
Calibration Mode : FDT  
CAL2nd Mode : FDT

Final  
Supply RF Signal by : Conduction  
Reset Loss Correction Count  
Test Mode : Signaling

WLAN  
Test Mode : WLAN

IMEI  
Use RFSM  
Use Second PC  
Save ODS  
Merge Felica Cal  
OQC Reset  
IBI Reset

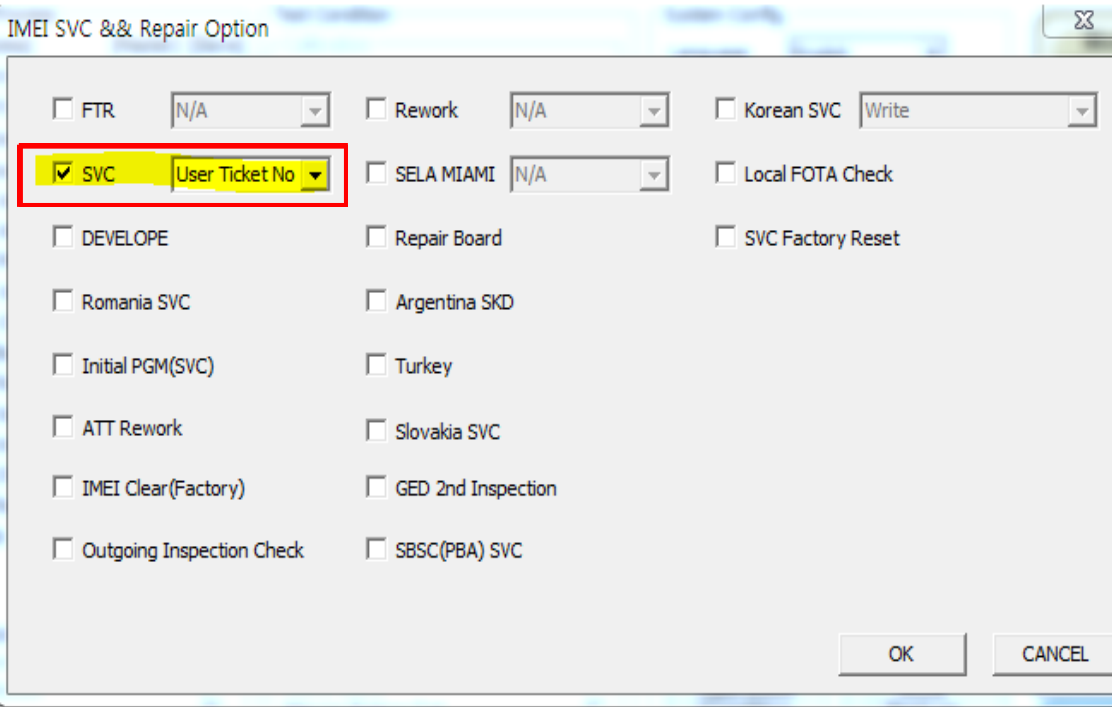
**System Config.**

Language : English  
Line Name : LINE(temp)  
Line Type : 1Person Cell  
☒ Smart Cloud Cell  
# of Phone : 1  
Start Number of UI : 1  
Start Number of Jig : 1  
IP Address : 10.244.246.156  
SKD Mode  
MultiSharing(CMWS)  
Developer Mode  
Advanced Separating(ADS)

**Operation Condition**  
Operation Condition  
RUN SeeLog  
IMEI SVC&Repair Option

**Model Information**  
Hardware Config  
Signal Loss Config.  
Loss Calibration  
Channel Config.  
MSTs Calibration  
Setting End Band  
Engine Freq.  
OK

7. Check SVC , User Ticket No and click OK



**IMEI SVC && Repair Option**

☐ FTR N/A ☐ Rework N/A ☐ Korean SVC Write

☒ SVC User Ticket No ☐ SELA MIAMI N/A ☐ Local FOTA Check

☐ DEVELOPE ☐ Repair Board ☐ SVC Factory Reset

☐ Romania SVC ☐ Argentina SKD

☐ Initial PGM(SVC) ☐ Turkey

☐ ATT Rework ☐ Slovakia SVC

☐ IMEI Clear(Factory) ☐ GED 2nd Inspection

☐ Outgoing Inspection Check ☐ SBSC(PBA) SVC

OK CANCEL



## 6. Level 1 Repair

8. Click Hardware Config

**Set System Configuration**

Set System Configuration Dialog...

**Test Process**

[Process]	[Master]	[Slave]
SMD F/T	<input type="checkbox"/>	<input type="checkbox"/>
PBA F/T	<input type="checkbox"/>	<input type="checkbox"/>
Calibration	<input type="checkbox"/>	<input type="checkbox"/>
Calibration 2ND	<input type="checkbox"/>	<input type="checkbox"/>
Final Auto	<input type="checkbox"/>	<input type="checkbox"/>
Final Auto 2ND	<input type="checkbox"/>	<input type="checkbox"/>
Final Manual	<input type="checkbox"/>	<input type="checkbox"/>
IMEI Write	<input checked="" type="checkbox"/>	<input type="checkbox"/>
IMEI Check	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SVC Board	<input type="checkbox"/>	<input type="checkbox"/>
MDL Rework	<input type="checkbox"/>	<input type="checkbox"/>
IMEI Read	<input type="checkbox"/>	<input type="checkbox"/>
STA Write	<input type="checkbox"/>	<input type="checkbox"/>
STA Check	<input type="checkbox"/>	<input type="checkbox"/>
STA Reset	<input type="checkbox"/>	<input type="checkbox"/>
WLAN	<input type="checkbox"/>	<input type="checkbox"/>
GPS	<input type="checkbox"/>	<input type="checkbox"/>
BT	<input type="checkbox"/>	<input type="checkbox"/>
WLAN	<input type="checkbox"/>	<input type="checkbox"/>
Power Off-On before WLAN	<input type="checkbox"/>	<input type="checkbox"/>
Bluetooth	<input type="checkbox"/>	<input type="checkbox"/>
LCIA	<input type="checkbox"/>	<input type="checkbox"/>
Merge2G3G Block Rad.	<input type="checkbox"/>	<input type="checkbox"/>

**Test Condition**

Calibration

Real CAL Cycle: on every  default CALs

Calibration Mode :

CAL2nd Mode :

Final

Supply RF Signal by

**Reset Loss Correction Count**

Test Mode :

WLAN

Test Mode :

IMEI

Use RFSM ☐

Use Second PC ☐

Save ODS ☐

Merge Felica Cal ☐

OQC Reset ☐

IBI Reset ☐

**System Config.**

Language

Line Name

Line Type

☒ Smart Cloud Cell

# of Phone

Start Number of UI

Start Number of Jig

IP Address

SKD Mode ☐

MultiSharing(CMWS) ☐

Developer Mode ☐

Advanced Separating(ADS) ☐

**Operation Condition**

**Operation Condition** **RUN SeeLog**

**IMEI SVC&Repair Option**

**Model Information**

**Hardware Config**

**Signal Loss Config.**

**Loss Calibration**

**Channel Config.**

**METS Calibration**

**Setting End Band**

**Engine Freq.**

**OK**

**Process Order**

## 9. Click Port Setting

**Hardware Component Configuration**  
Controller Type, IO Bus Type, Port Setting,....

**Phone**  
Count: 1  
I/F - 1 Type: Serial COM  
I/F - 2 Type: N/A  
IF Jig Type: AnyWayJig  
☐ Use ID Check JIG  
**Port Setting**

**MSTs Sharing Controller**  
Count: 0  
Control Type: N/A  
I/F Type: Serial COM  
**Terminal** **Port Setting**

**DBMS**  
Server: HOME(GUMI)  
Type: Outside-Socket  
**Barcode Reader**  
Type: N/A  
I/F Type: Serial COM  
**Port Setting**

**MES PN Sender**  
Type: N/A  
**Port Setting**

**SMD F/T**  
Type: N/A  
B'd Address: 5  
**Port Setting**

**PBA F/T**  
Function Test Jig: **Port Setting**  
NI-DAQ: **Port Setting**  
Power Detector: **Port Setting**  
HDMI JIG: **Port Setting**

**Power Supply**  
☐ Power Supply  
I/F Type: GPIB  
**Port Setting**

**SAVE** **Cancel**

## 6. Level 1 Repair

### 10. Select Port Number and SAVE

Set IO BUS Configuration

Phone IO Bus Setting

**Common**

BaudRate: 115200  
Data Bit: 8  
Parity: No  
Stop Bit: 1

No.	Port #1
1	1

SAVE  
Cancel

### 11. Click OK to proceed

Set System Configuration

Set System Configuration Dialog...

Test Process

[Process] [Master] [Slave]

SMD F/T ☐ ☐

PBA F/T ☐ ☐

Calibration ☐ ☐

Final Auto ☐ ☐

Final Manual ☐ ☐

IMEI Process

IMEI Write ☒ ☐

IMEI Check ☒ ☐

MDL +2nd Check ☐ ☐

MDL Rework ☐ ☐

IMEI Read ☐ ☐

WLAN ☐

Power Off-On before WLAN ☐

Bluetooth ☐

Test Condition

Calibration

Real CAL Cycle: on every 20 default: CALs

Calibration Mode: Dynamic

Final

Supply RF Signal by: Conduction

Test Signal Mode: Signaling

Developer Mode ☐

IMEI

Use RFSM ☐

Use Second PC ☐

Save ODS ☐

IMEI SVC & Repair Option

System Config.

Language: English

Line Name: LINE(temp)

Line Type: Block Cell

# of Phone: 1

Start Number of Jig: 1

IP Address: 10.244.114.62

Operation Condition

Model Information

Hardware Config

Signal Loss Config

Channel Config

WPS Calibration

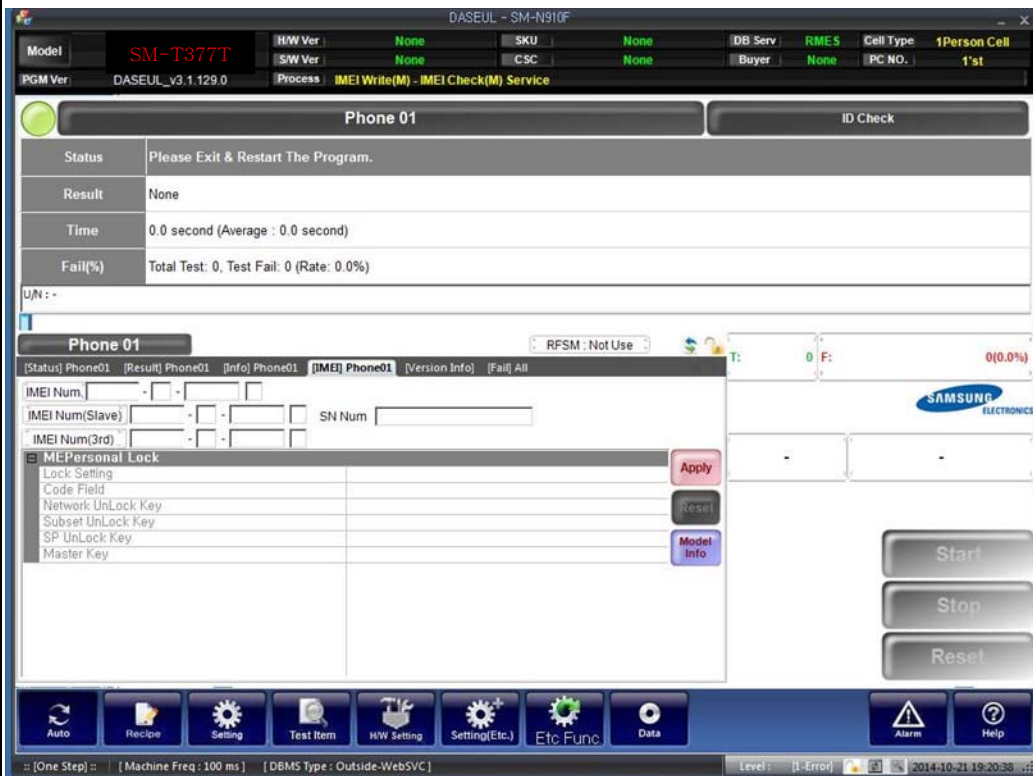
Setting End Band

OK



## 6. Level 1 Repair

12. Click Model Info and OK when pop-up shows



13. Click OK



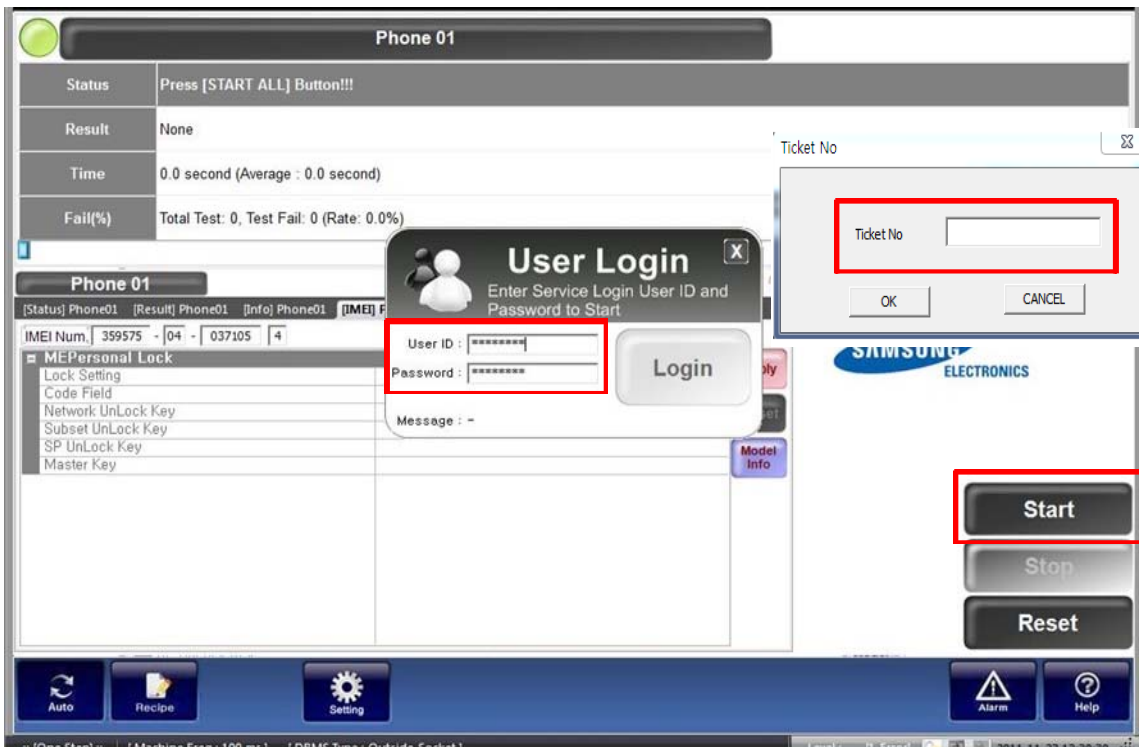
※ Refer to HHPsvc→IMEI Review to check SKU Code and buyer

15. Input IMEI Number and click Apply

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## 6. Level 1 Repair

16. ① Click Start, and input IMEI writing ID and Password → ② input Ticket No

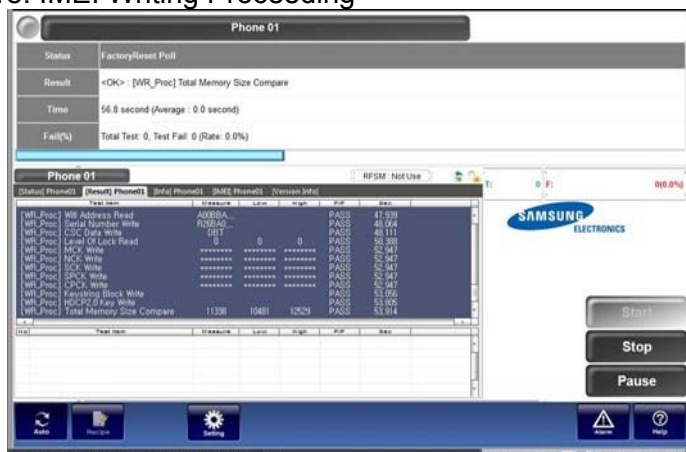


17. Connect the phone to Anyway JIG

※ When you connect the phone, the phone should be turned off.

After connecting the phone, the phone will be booted automatically.

18. IMEI Writing Proceeding



**Phone 01**

Status: [TEST END]

Result: **Test Pass: 037105**

Time: 215.0 second (Average : 215.6 second)

Fail(%): Total Test: 1, Test Fail: 0 (Rate: 0.0%)

**Phone 01** RFSM : Not Use

[Status] Phone01 [Result] Phone01 [Info] Phone01 [Version Info]

Test Item	Measure	Value	High	Pass	Fail
[CH_Proc] AK_Authenticity Check				PASS	213.518
[CH_Proc] IMEI Compare	3595750	3595750	3595750	PASS	213.581
[CH_Proc] Bluetooth ID Compare	38CEA1	38CEA1	38CEA1	PASS	214.033
[CH_Proc] Serial Number Compare	R2B8A0	R2B8A0	R2B8A0	PASS	214.385
[CH_Proc] MCK Compare	*****	*****	*****	PASS	214.495
[CH_Proc] NCK Compare	*****	*****	*****	PASS	214.495
[CH_Proc] SPCK Compare	*****	*****	*****	PASS	214.495
[CH_Proc] QCK Compare	*****	*****	*****	PASS	214.495
[CH_Proc] PCK Compare	*****	*****	*****	PASS	214.495
[CH_Proc] Keychain Block Compare	OK	OK	OK	PASS	214.502
[CH_Proc] HDCP2 Key Check	OK	OK	OK	PASS	214.573

Test Item Measure Value High Pass Fail

Auto Recall Settings Alarm Help

Start Stop Reset

## 6. Level 1 Repair

### 7-2. Battery Accumulated Usage Initialization

#### 7-2-1 Notice

- It is necessary to initialize the battery accumulated usage for all cases of replacing the batteries.

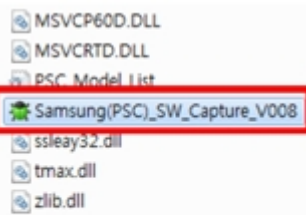
#### 7-2-2 You need :

- SM-T719 set
- Laptop or Note PC
- Anyway Jig
- UART Serial Cable
- IF Test Cable (Different by models)

#### 7-2-3 Lay-out



#### 7-2-4 How to Initialize Battery Accumulated Usage



① Run 'Samsung(PSC)\_SW\_Capture\_V008.exe'.

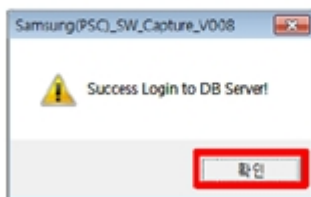


② Check 'Battery' item in the box.

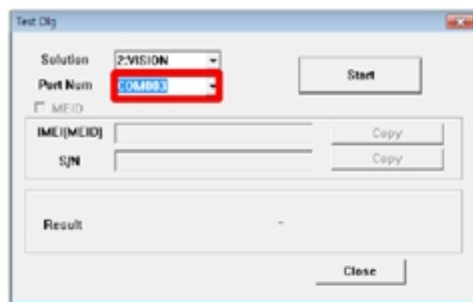
## 6. Level 1 Repair



③ Input GSPN ID and Password, then press 'OK'.



④ Confirm Login to DB Server to press '확인'.



⑤ Set Port Number and press 'Start'.

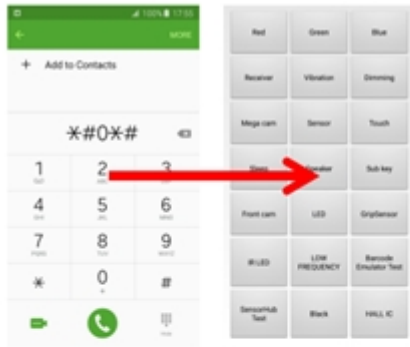


⑥ Confirm the Anyway Jig Setting to press '확인'.

⑦ Connect Mobile device to IF Test cable,  
then power on to press power key.  
※ Phone should be powered off before test.

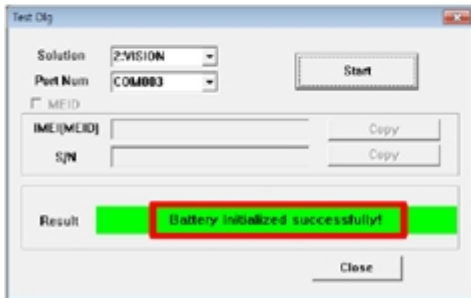


## 6. Level 1 Repair



※ Only for S6, T355/P355  
- Enter \*#0\*# mode to communicate with the device under user binary status.

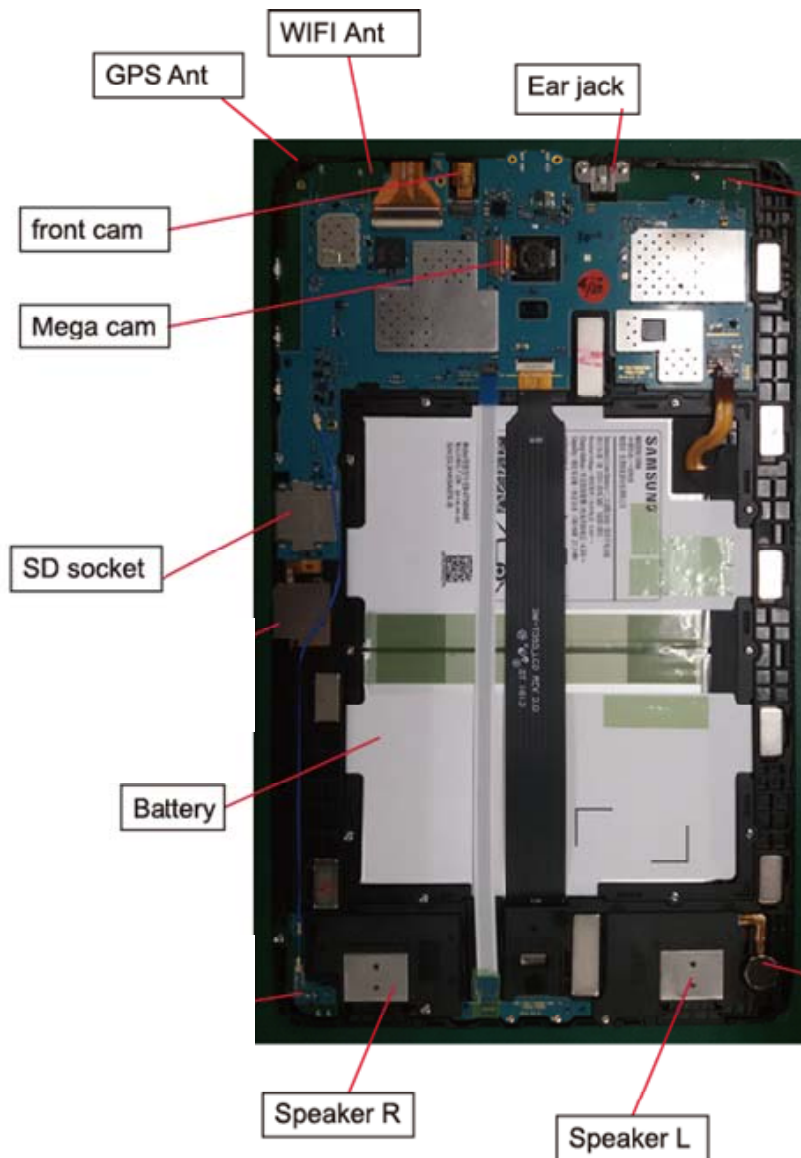
- 1) Turn on the device to press power key.
- 2) Input \*#0\*# in dial mode.
- 3) Connect Mobile device to IF Test cable.



⑧ Battery Accumulated Usage Initialization will start as soon as Booting complete.  
※ LCD must be turned on in order to test properly.

## 7. Level 2 Repair

### 7-1. Components on the Rear Case





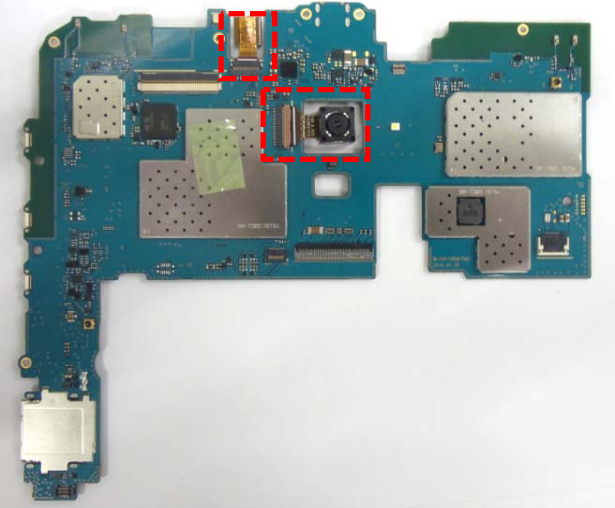

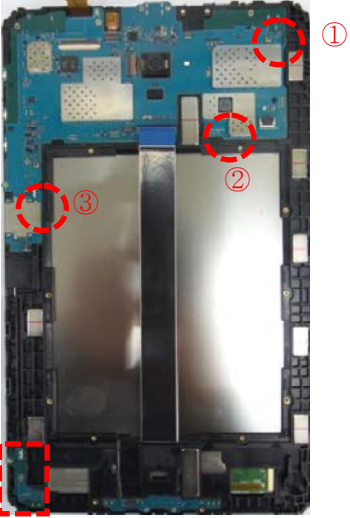

## 7. Level 2 Repair

### 7-2. Pre-requisite

	
<b>Tweezers / Disassembly Stick / Screw Driver</b>	<b>Anti-static Gloves</b>
	
<b>Anti-static Mat</b>	

## 7. Level 2 Repair

### 7-3. Parts which must be changed after repair Assembly

<p>1 Assemble PBA Ass'y</p> 	<p>2 Assemble EARJACK Ass'y</p> 
<p>1. Assemble VGA/MEGA Camera on the PBA Ass'y</p>	<p>1. Assemble Earjack rubber on Earjack.</p>
<p>3 Assemble Front Ass'y 와 PBA Ass'y[1]</p> 	<p>4 Assemble Front Ass'y 와 PBA Ass'y[2]</p> 
<p>1. Assemble 3point of hooks accurately as the order on the picture. <b>*Be careful not to damage</b> 2. Assemble Sub PBA.</p>	<p>1. Assemble SPK, SIM SOCKET on Front Ass'y. 2. Remove a release paper on Earjack. Assemble Earjack on Front Ass'y. And then, attach Earjack sus to Front Ass'y <b>*Must check SIM Socket, Earjack connector assembled.</b></p>

## 7. Level 2 Repair

<div data-bbox="108 232 740 304" data-label="Text"> <p>5 Assemble Front Ass'y 와 PBA</p> </div> <div data-bbox="288 342 603 869" data-label="Image"> </div>	<div data-bbox="810 232 1481 304" data-label="Text"> <p>6 Front Ass'y 와 Rear 조립[1]</p> </div> <div data-bbox="815 309 1442 898" data-label="Image"> </div>
<div data-bbox="92 943 754 1070" data-label="List-Group"> <ol style="list-style-type: none"> <li>1. Assemble coaxial cable.</li> <li>2. Assemble TSP, LCD, HOME KEY, BATTERY FPCB.</li> <li>3. Screw 23 Points in order.</li> </ol> <p>-Torque : <math>1.4 \pm 0.1 \text{ kgf}</math></p> </div>	<div data-bbox="799 954 1487 1055" data-label="List-Group"> <ol style="list-style-type: none"> <li>1. Insert right side of Front assy into rear first. Assemble 8 points of hooks accurately as the order on the picture.</li> </ol> </div>

## 7. Level 2 Repair

### Disassembly

1

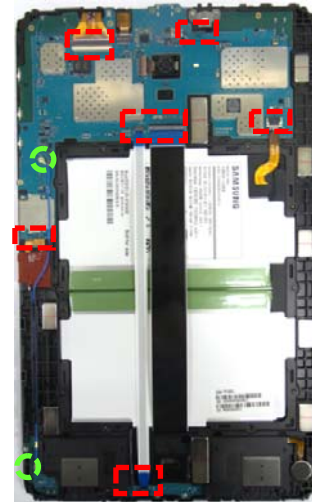
Disassembly Rear Cover



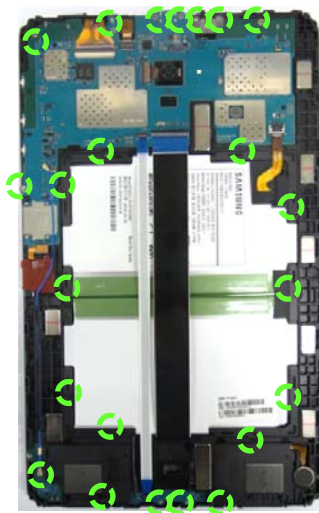
1. Disassemble 10 points of hooks accurately as the order on the picture.
2. Lift the Front Assy, And then, disassemble Rear Cover

2

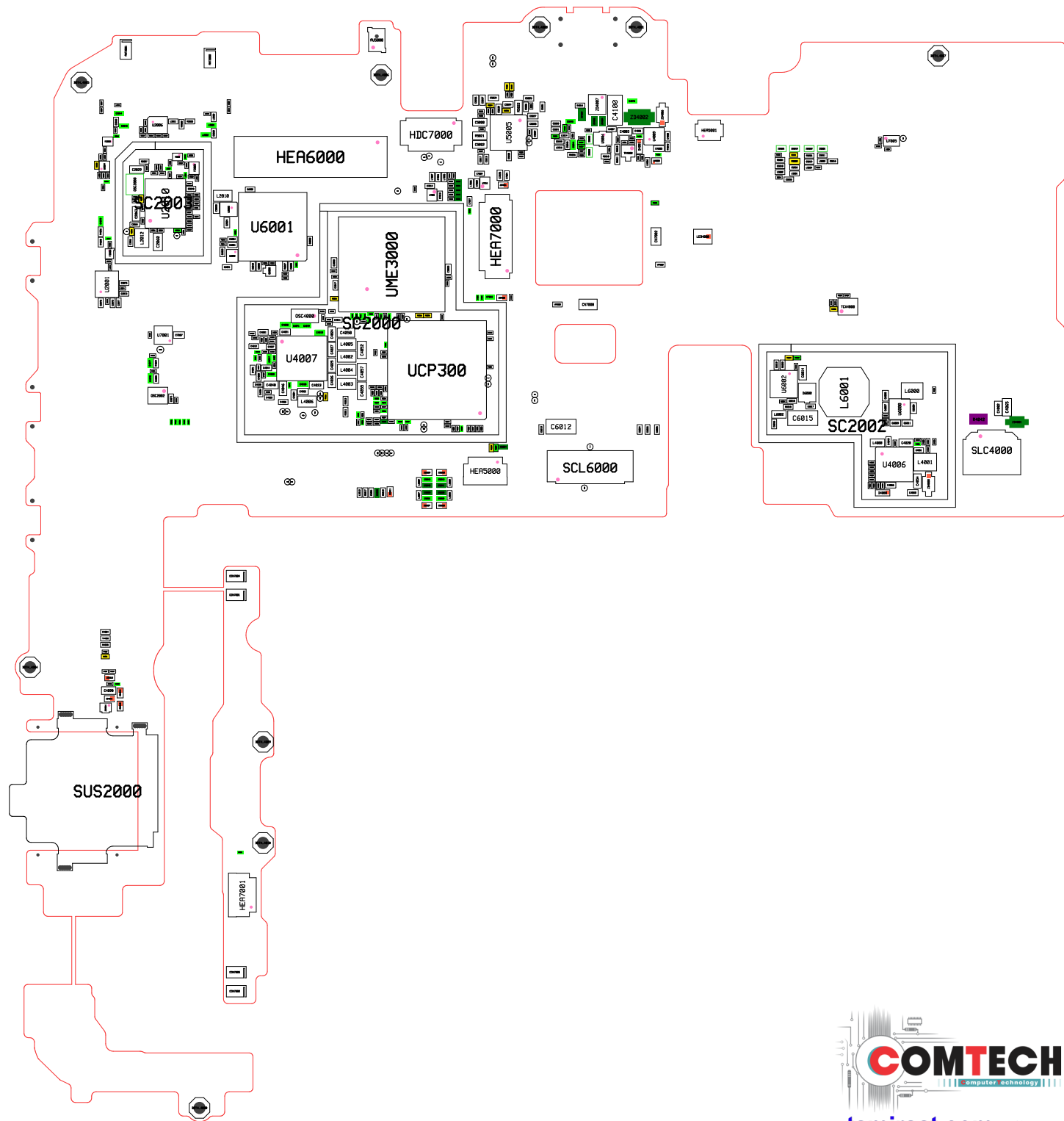
Disassemble Front Assy[1]



1. Disassemble TSP, LCD, HOME KEY, SIM SOCKET, EARJACK.
2. Disassemble coaxial cable.

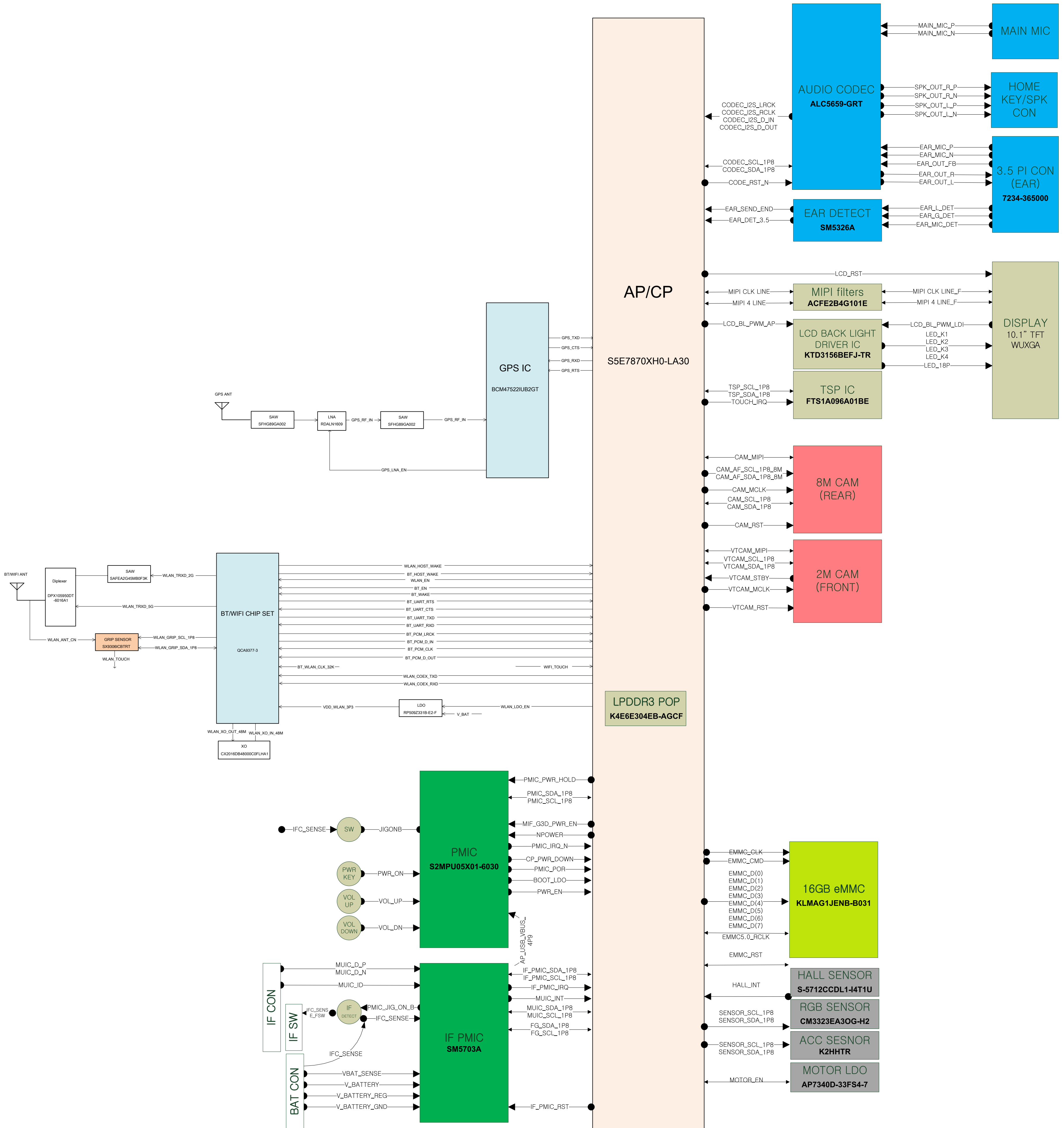


1. Loosen 23 points of screw.
2. Disassemble PBA Assy, SUB PBA, SIM SOCKET, EARJACK, SPK, Battery on Front Assy.





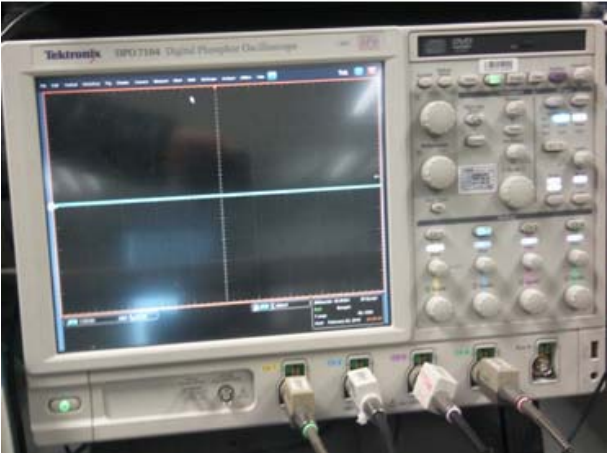



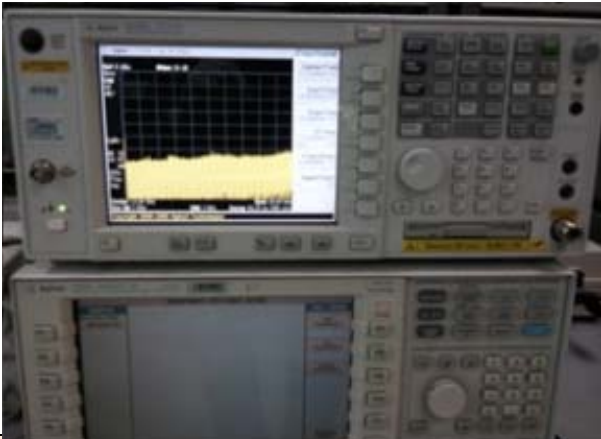

# SM -T585 Block Diagram





## 8. Level 3 Repair

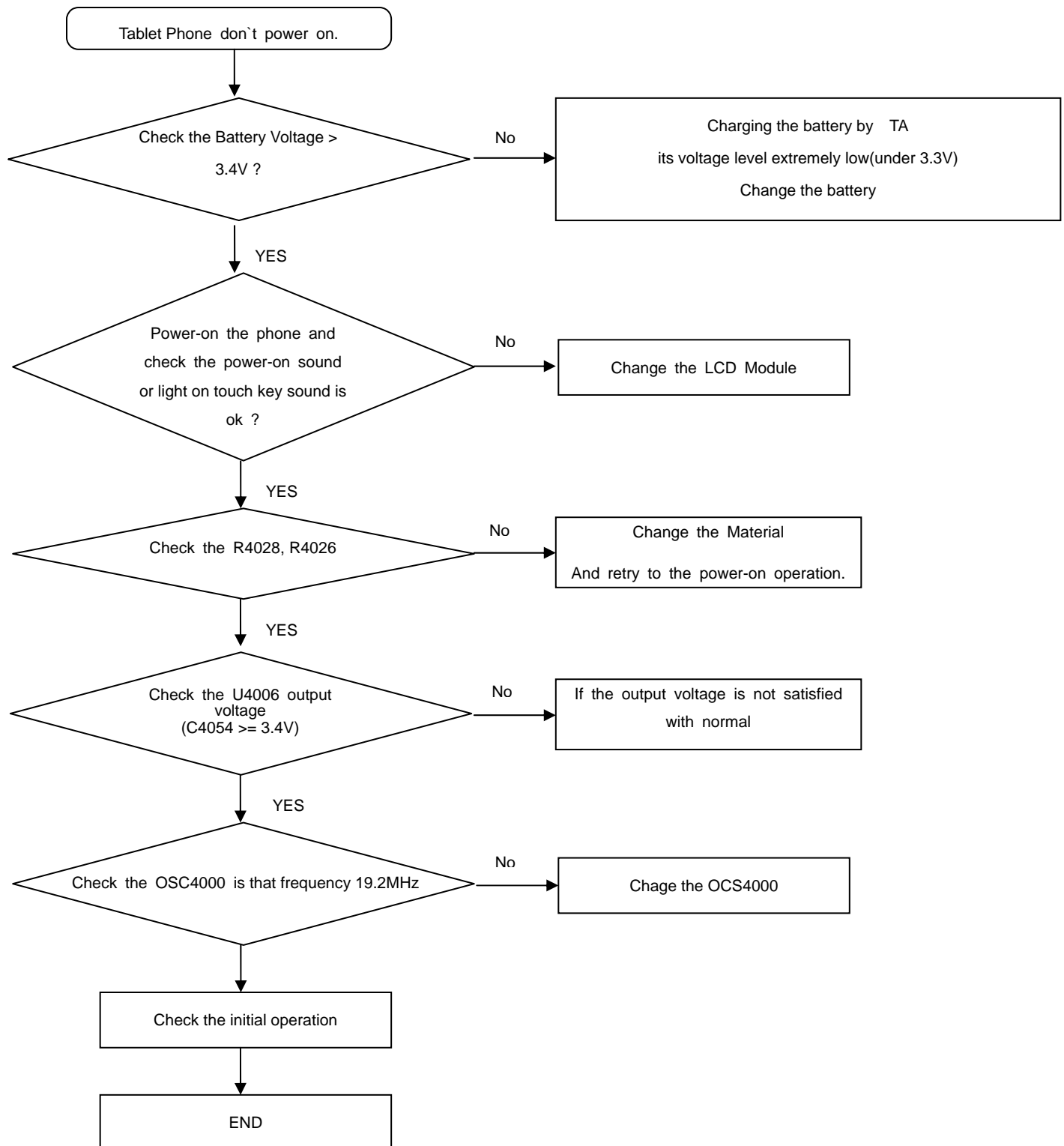
### 8-3. Flow chart of Troubleshooting.

	
Oscilloscope	Digital Multimeter
	
Power Supply	+ driver, ESD Safe Tweezer
	
8960 & Spectrum Analyzer	Soldering iron



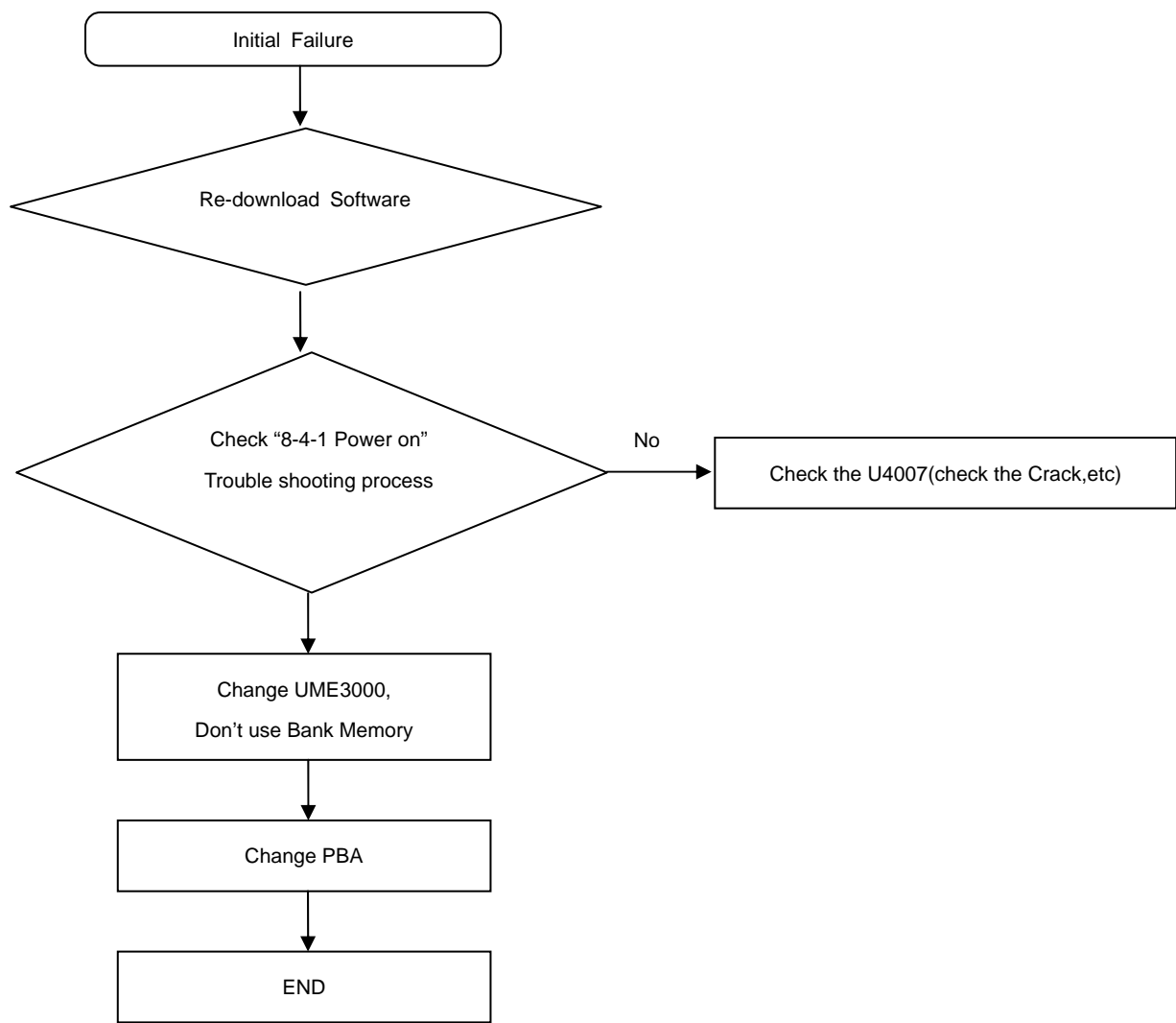
## 8. Level 3 Repair

### 8-4-1. POWER ON



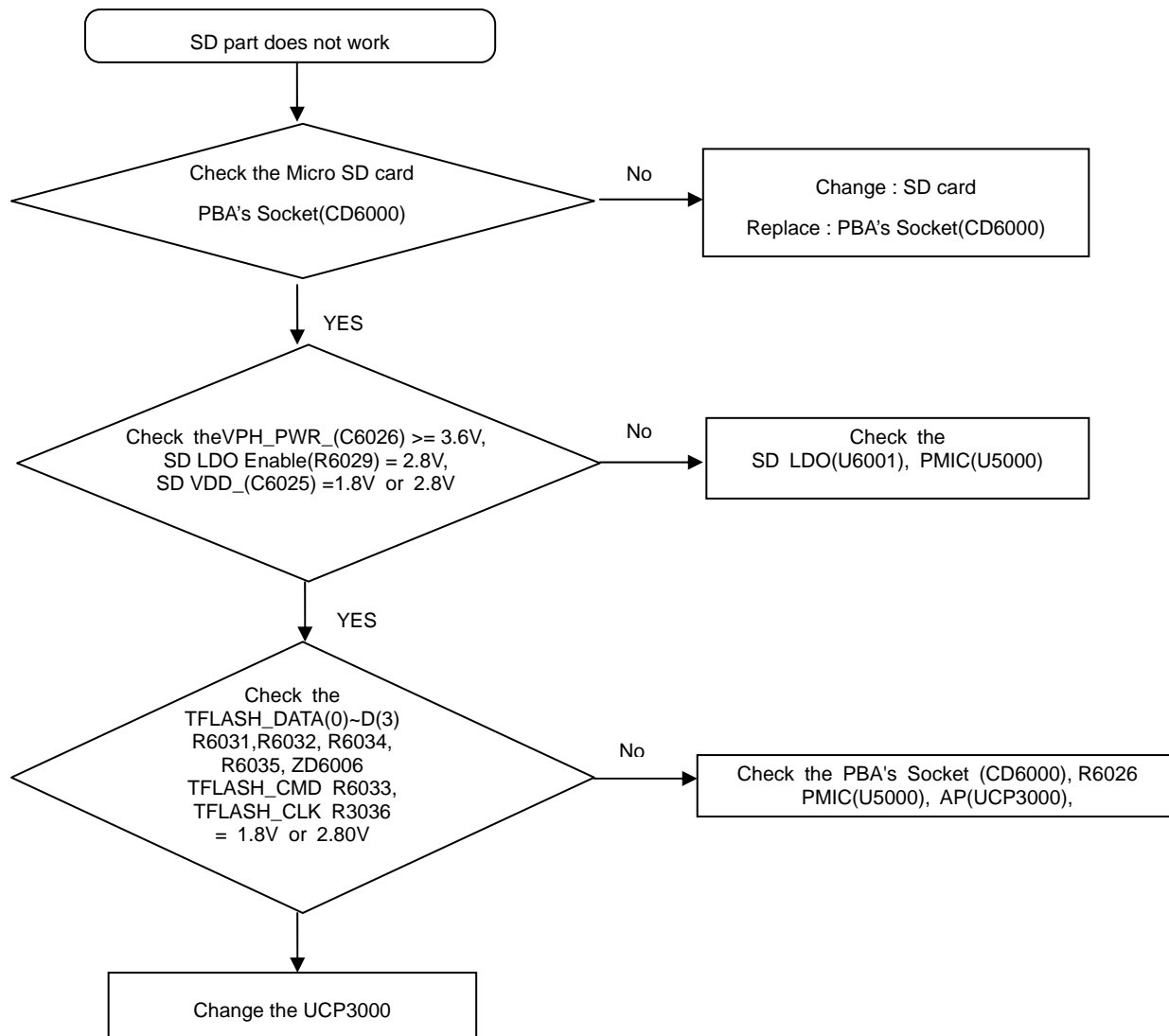
## 8. Level 3 Repair

### 8-4-2. INITIAL



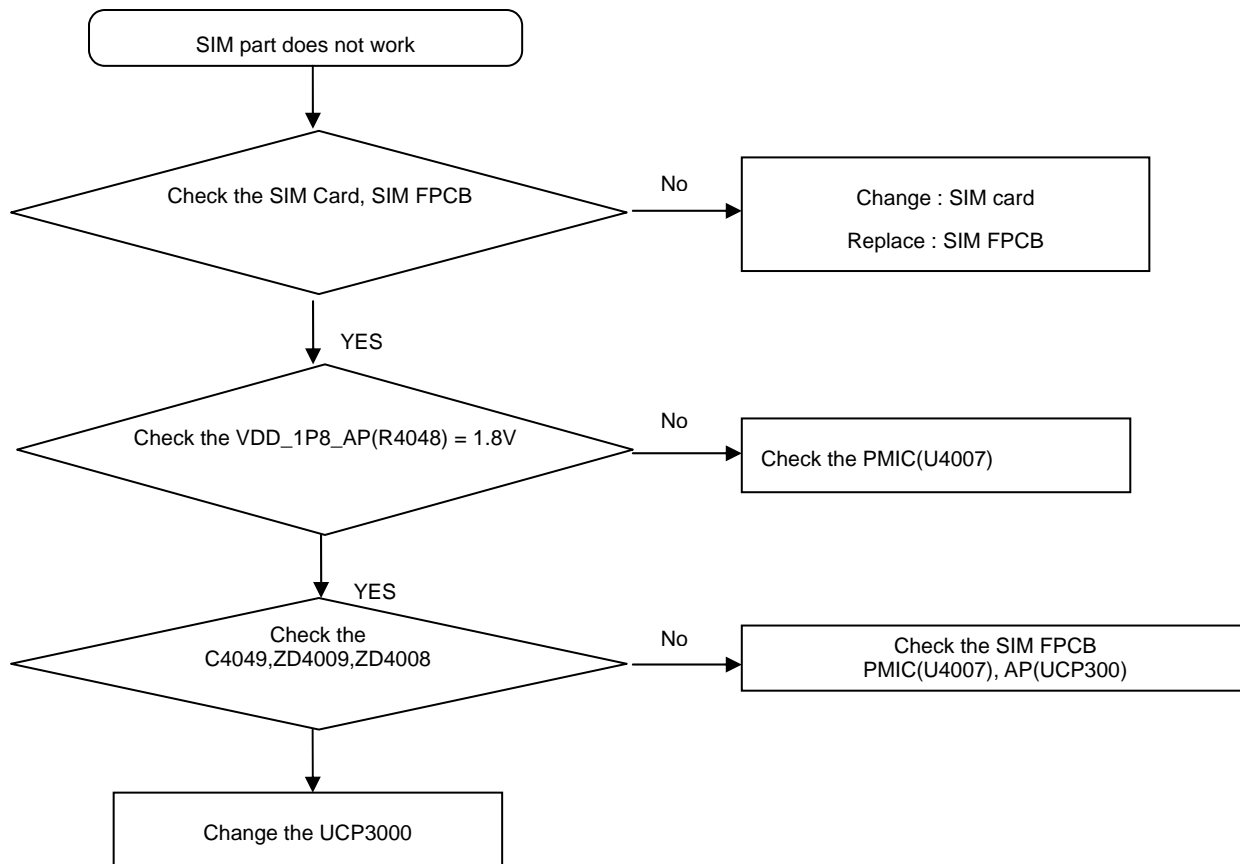
## 8. Level 3 Repair

### 8-4-3. SD PART



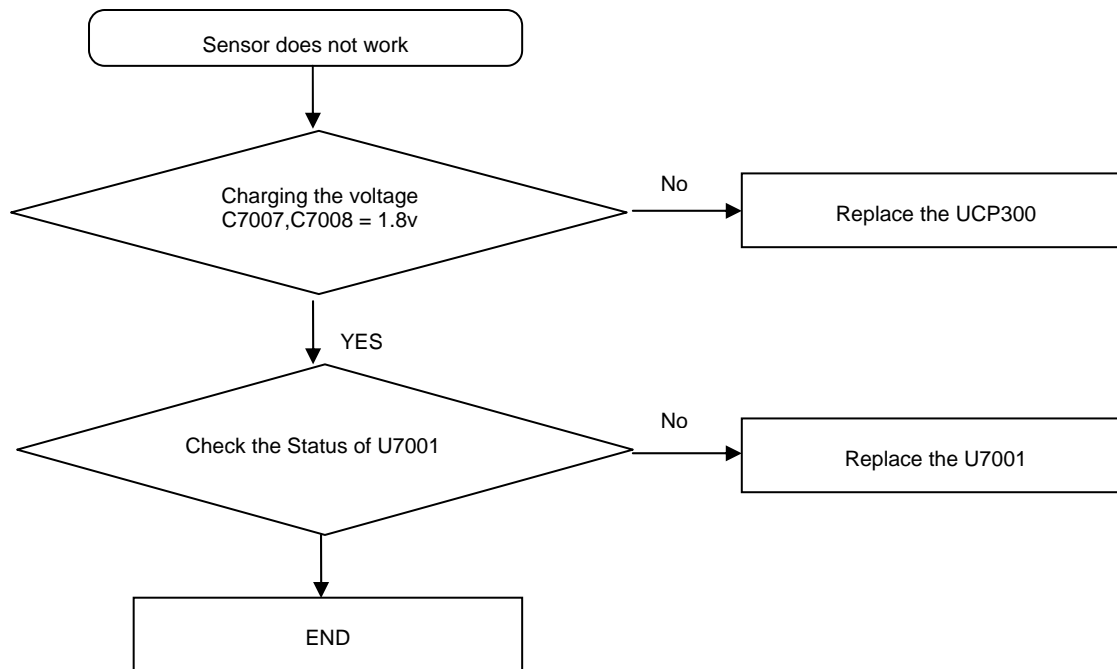
## 8. Level 3 Repair

### 8-4-4. SIM PART



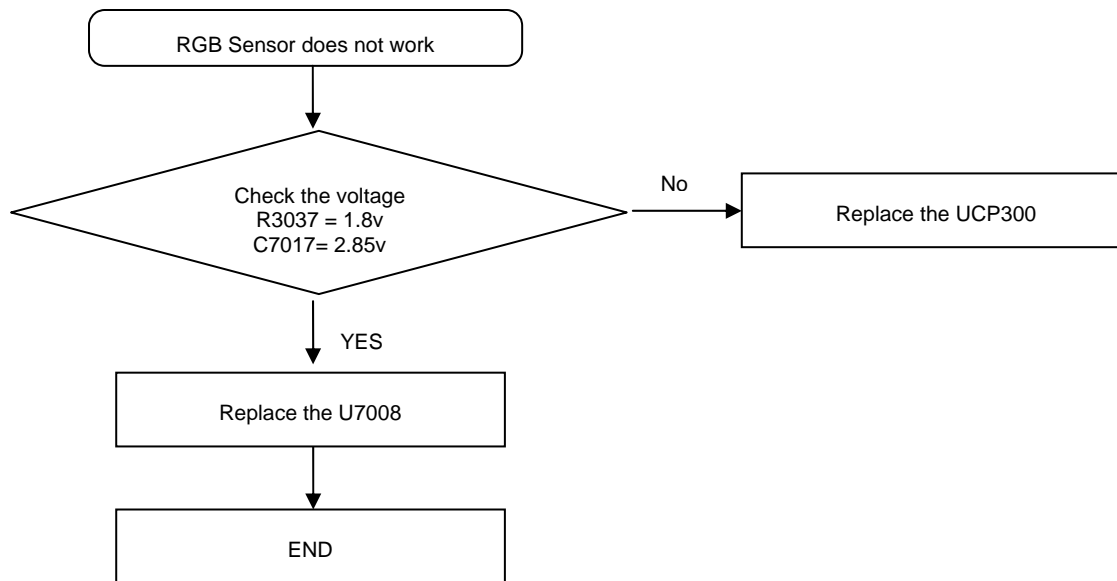
## 8. Level 3 Repair

### 8-4-5. ACC Sensor



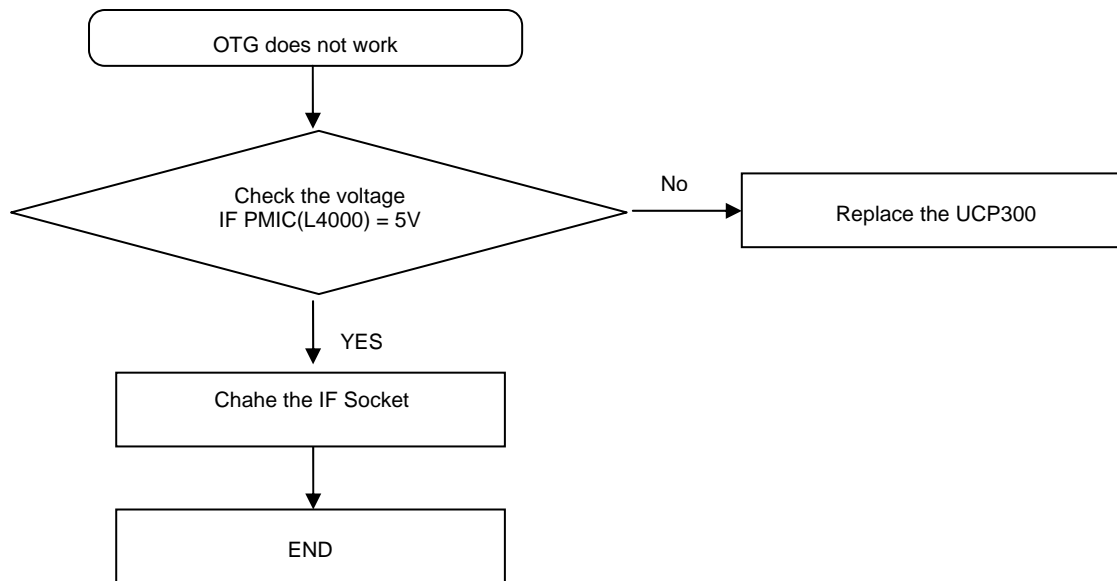
## 8. Level 3 Repair

### 8-4-6. RGB Sensor



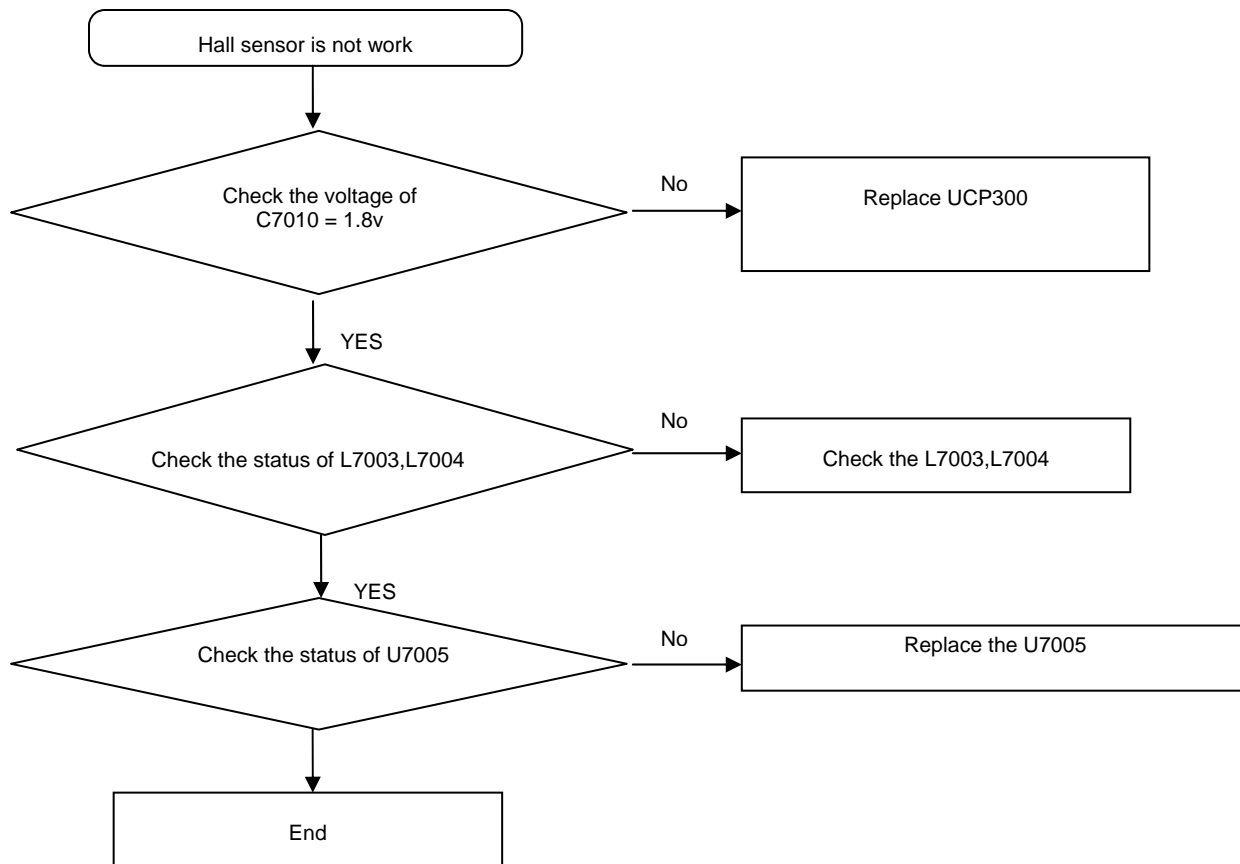
## 8. Level 3 Repair

### 8-4-7. OTG



## 8. Level 3 Repair

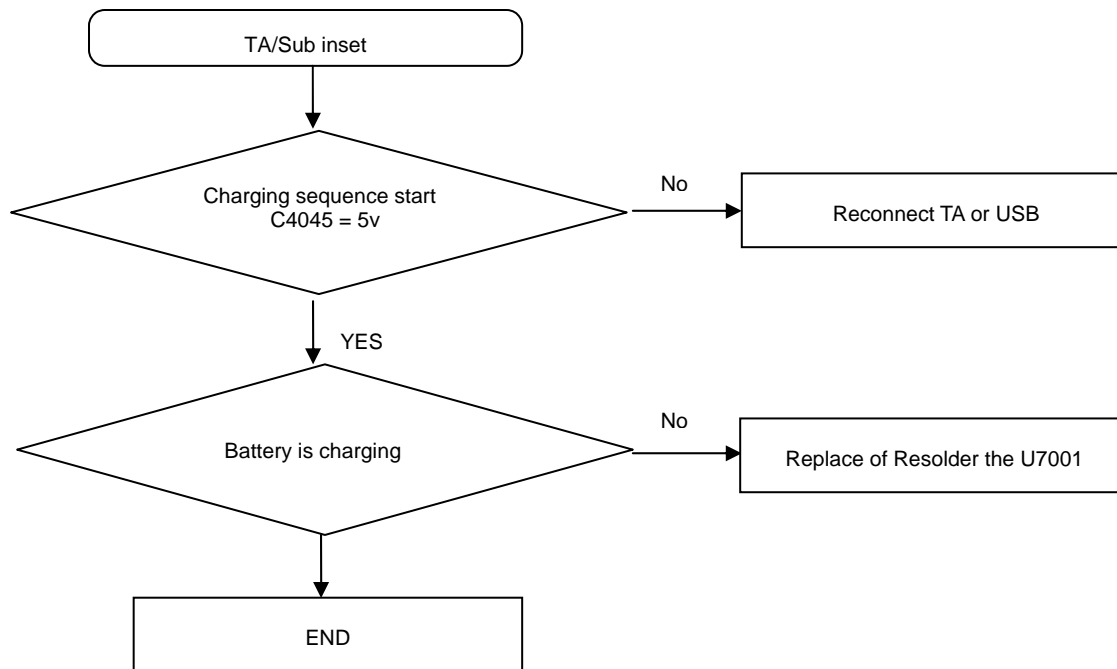
### 8-4-8. Hall IC





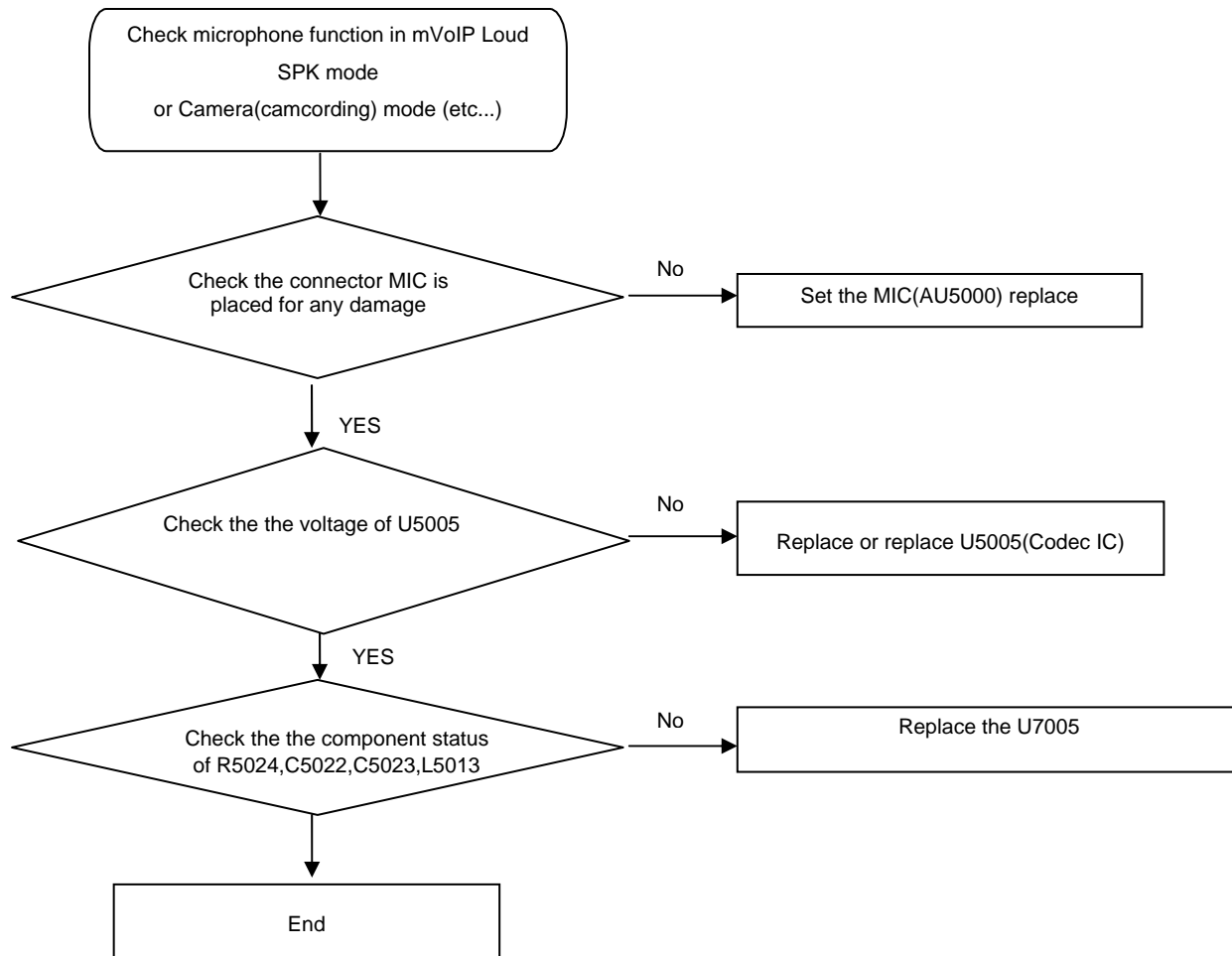
## 8. Level 3 Repair

### 8-4-9. Charging part



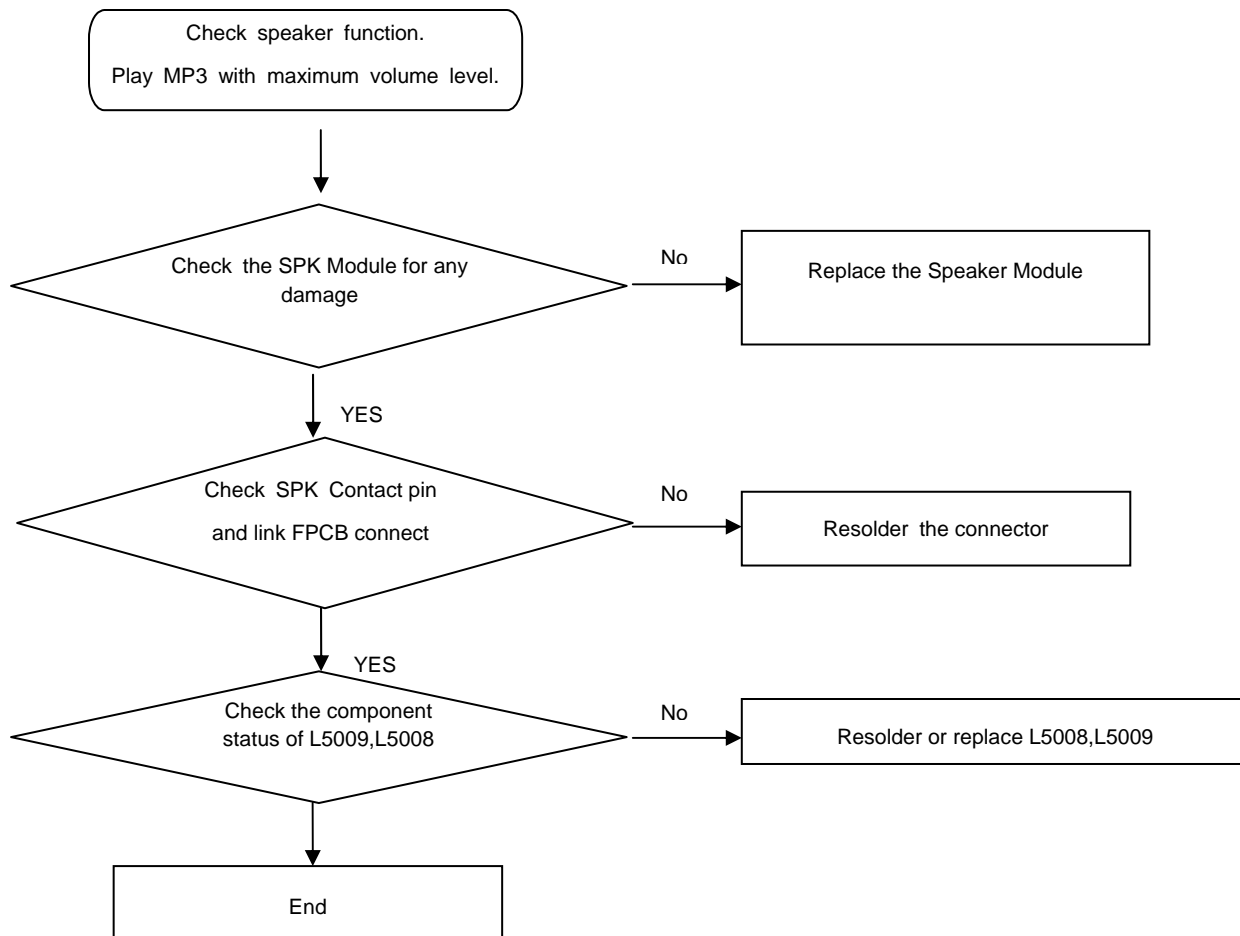
## 8. Level 3 Repair

### 8-4-10. Microphone Part - Main MIC



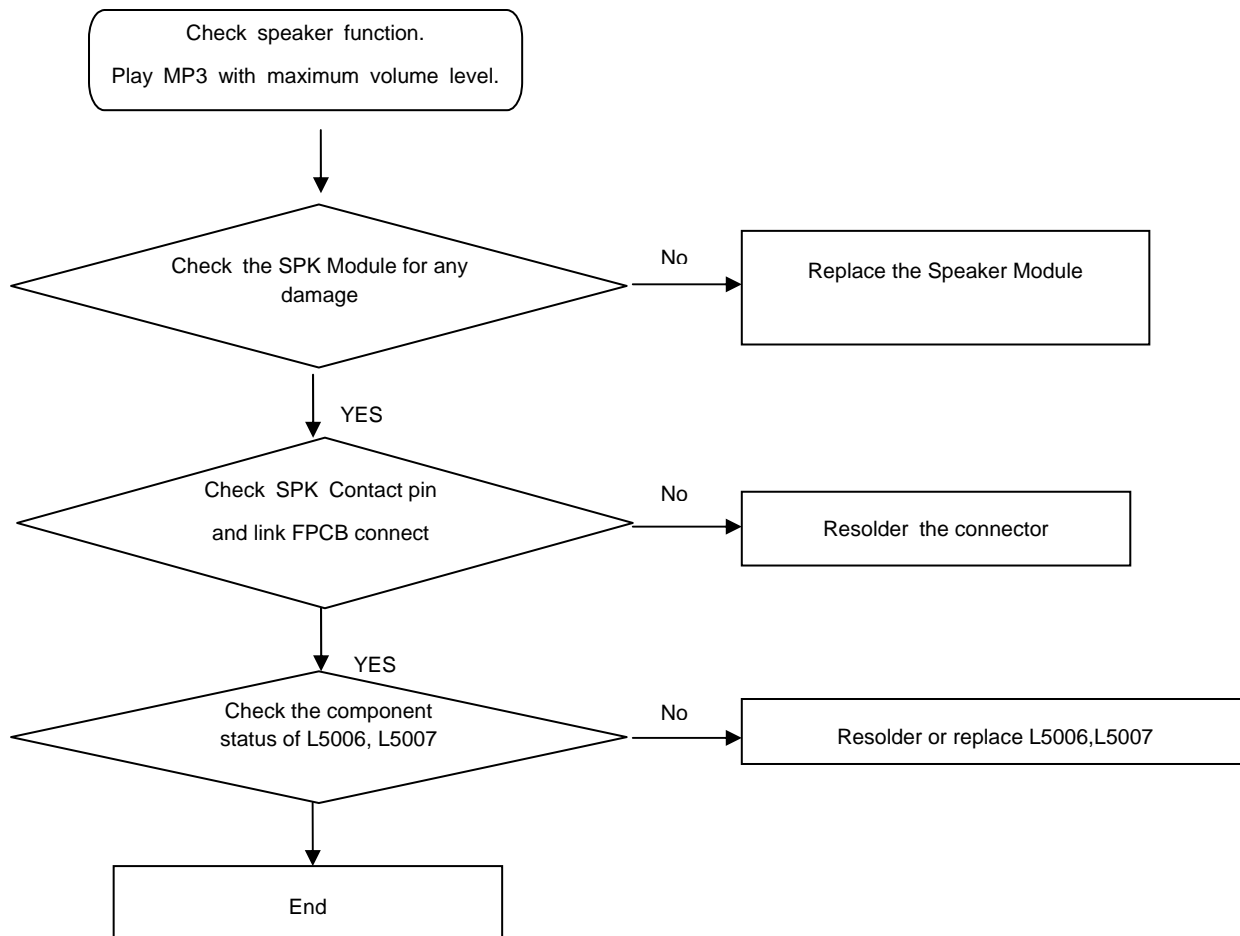
## 8. Level 3 Repair

### 8-4-11. Speaker R Part



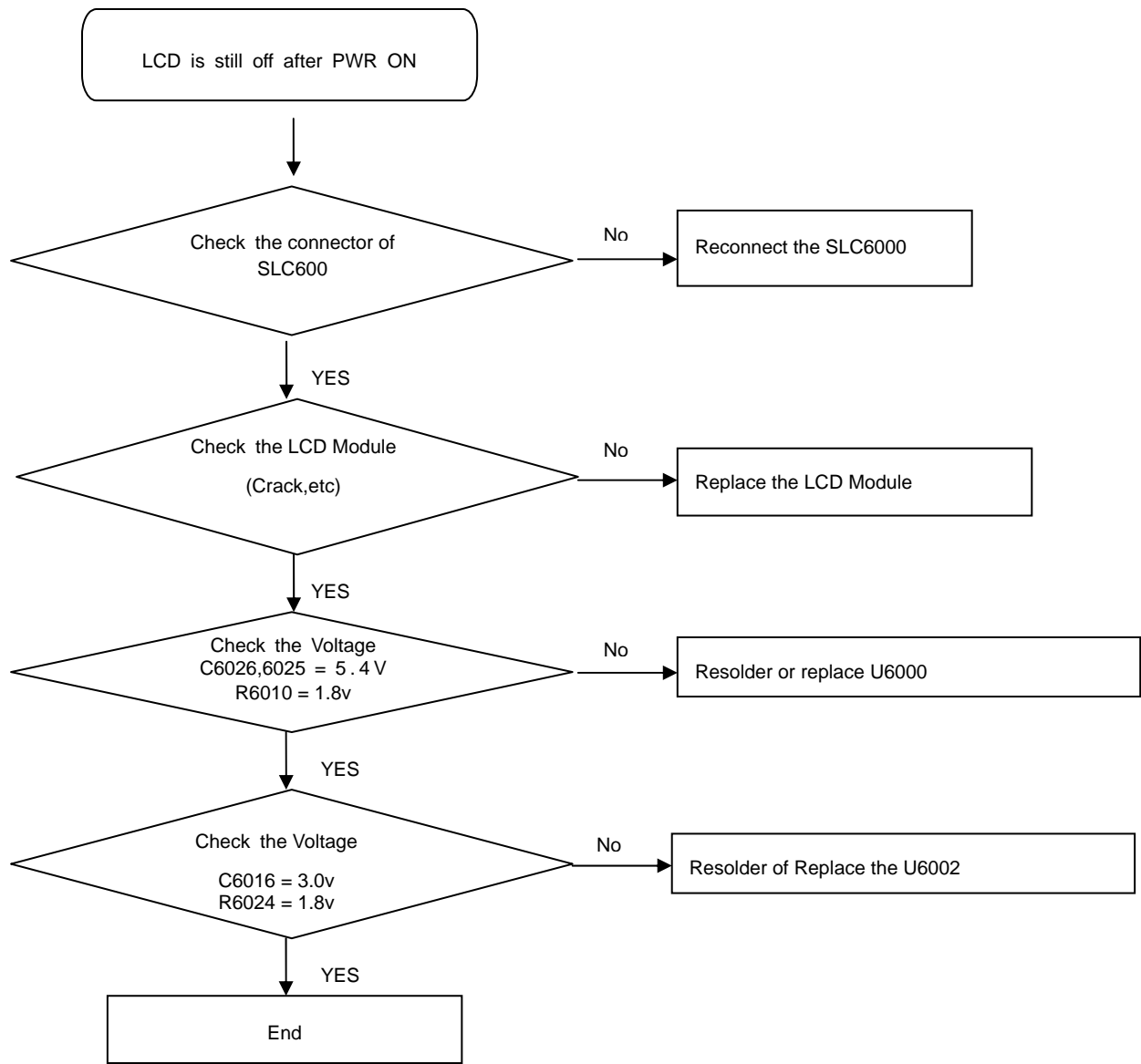
## 8. Level 3 Repair

### 8-4-11. Speaker L Part



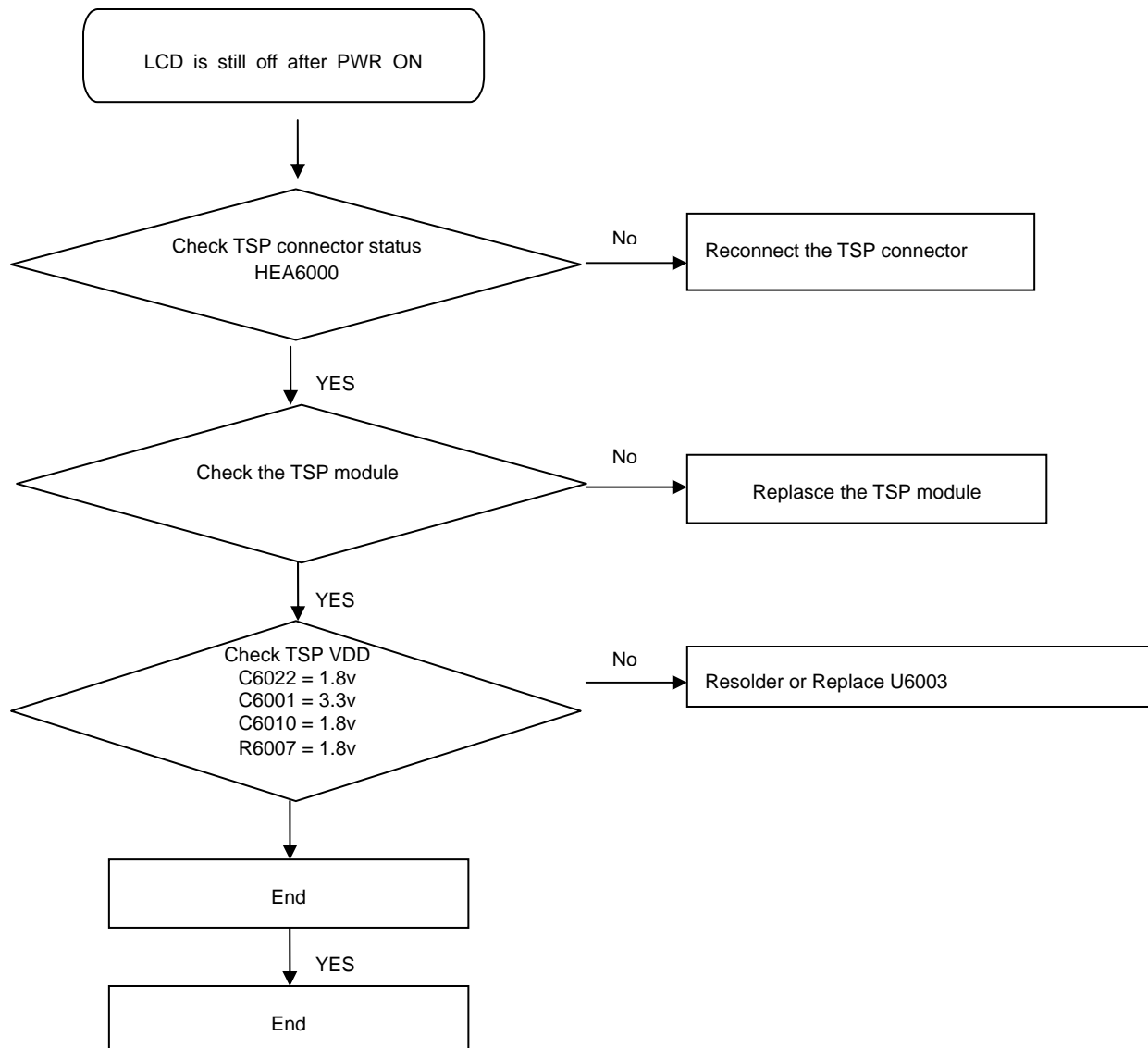
8. Level 3 Repair

8-4-13. Display



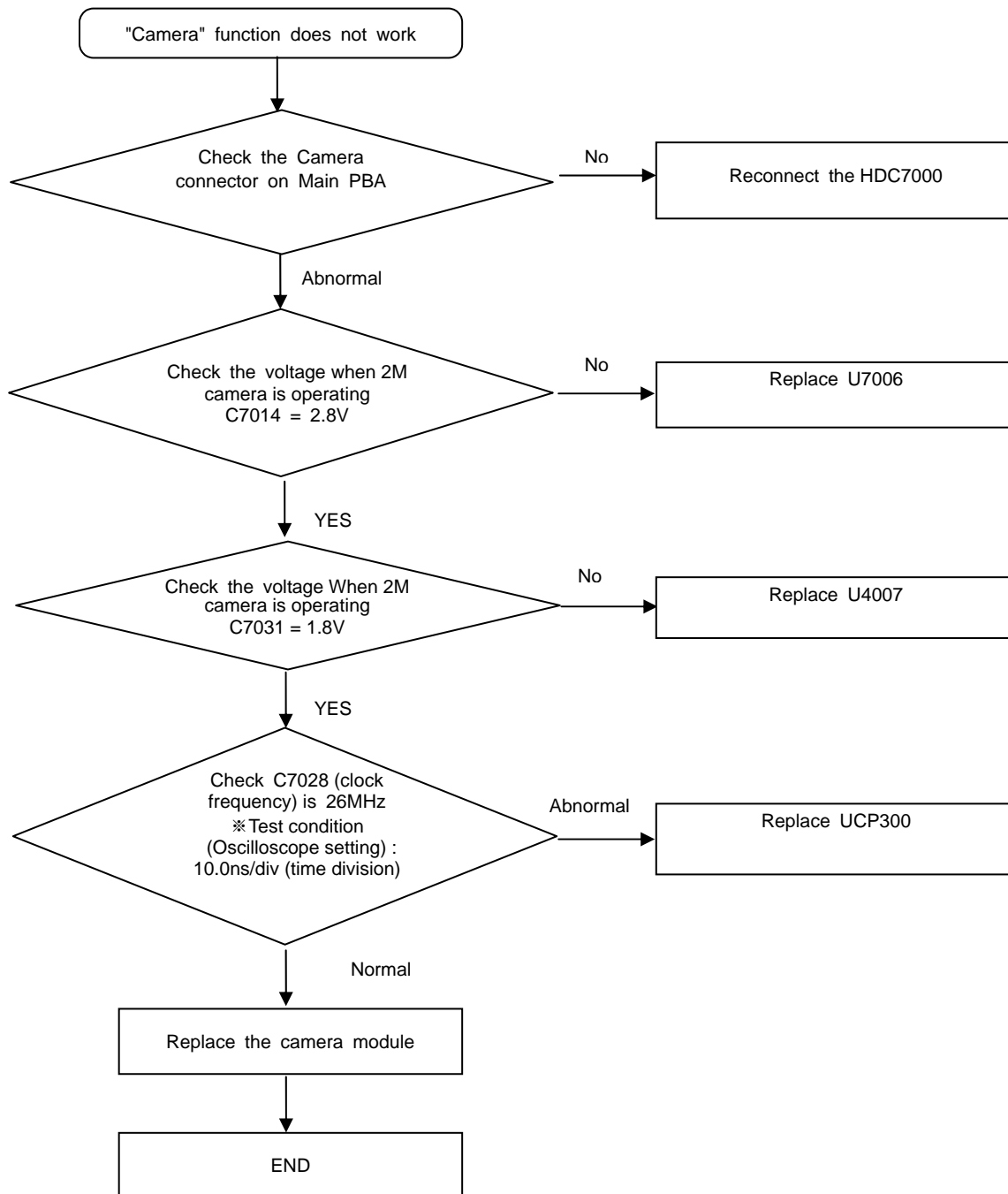
## 8. Level 3 Repair

### 8-4-14. TSP



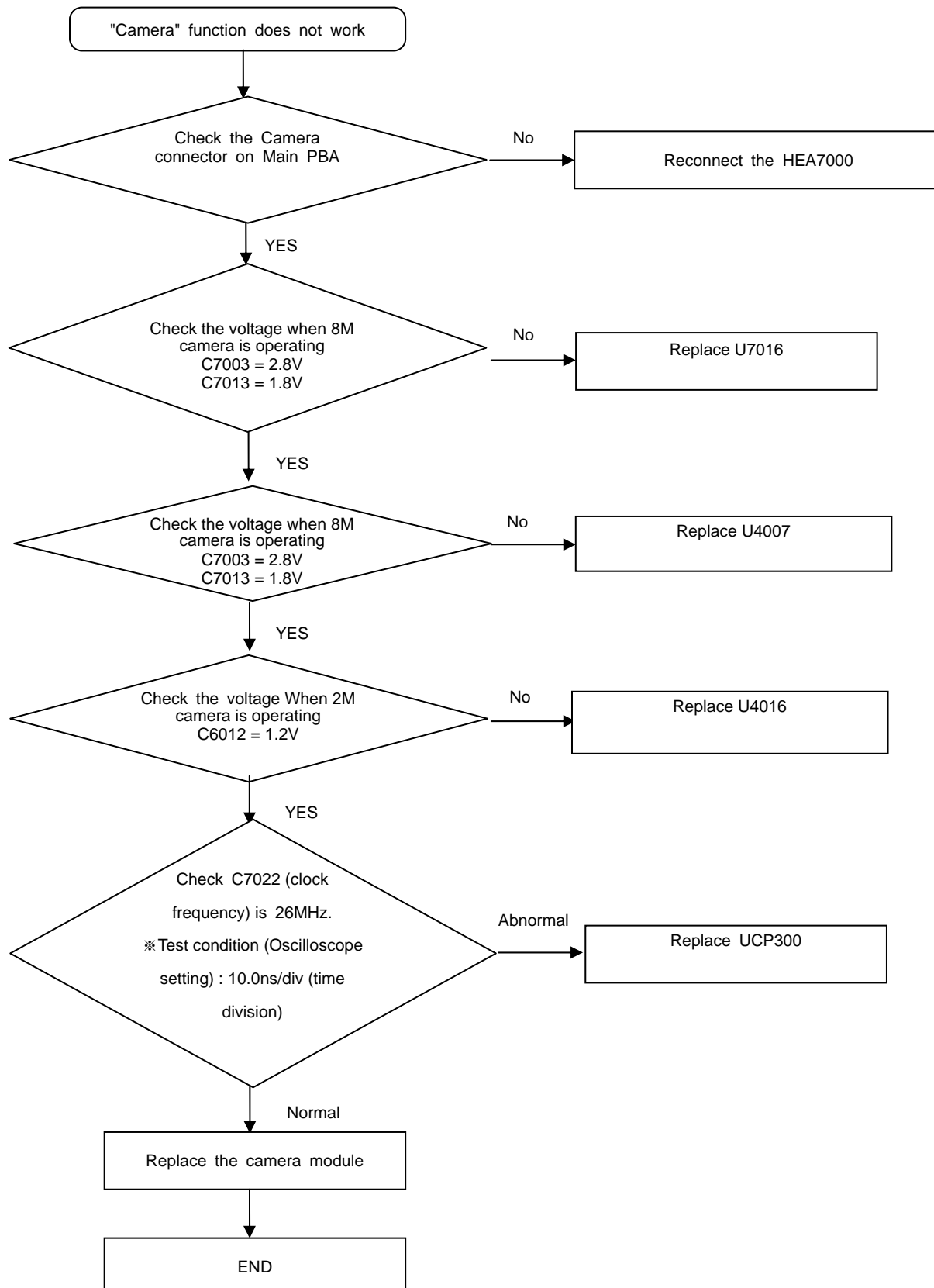
## 8. Level 3 Repair

### 8-4-15. 2M CAM



## 8. Level 3 Repair

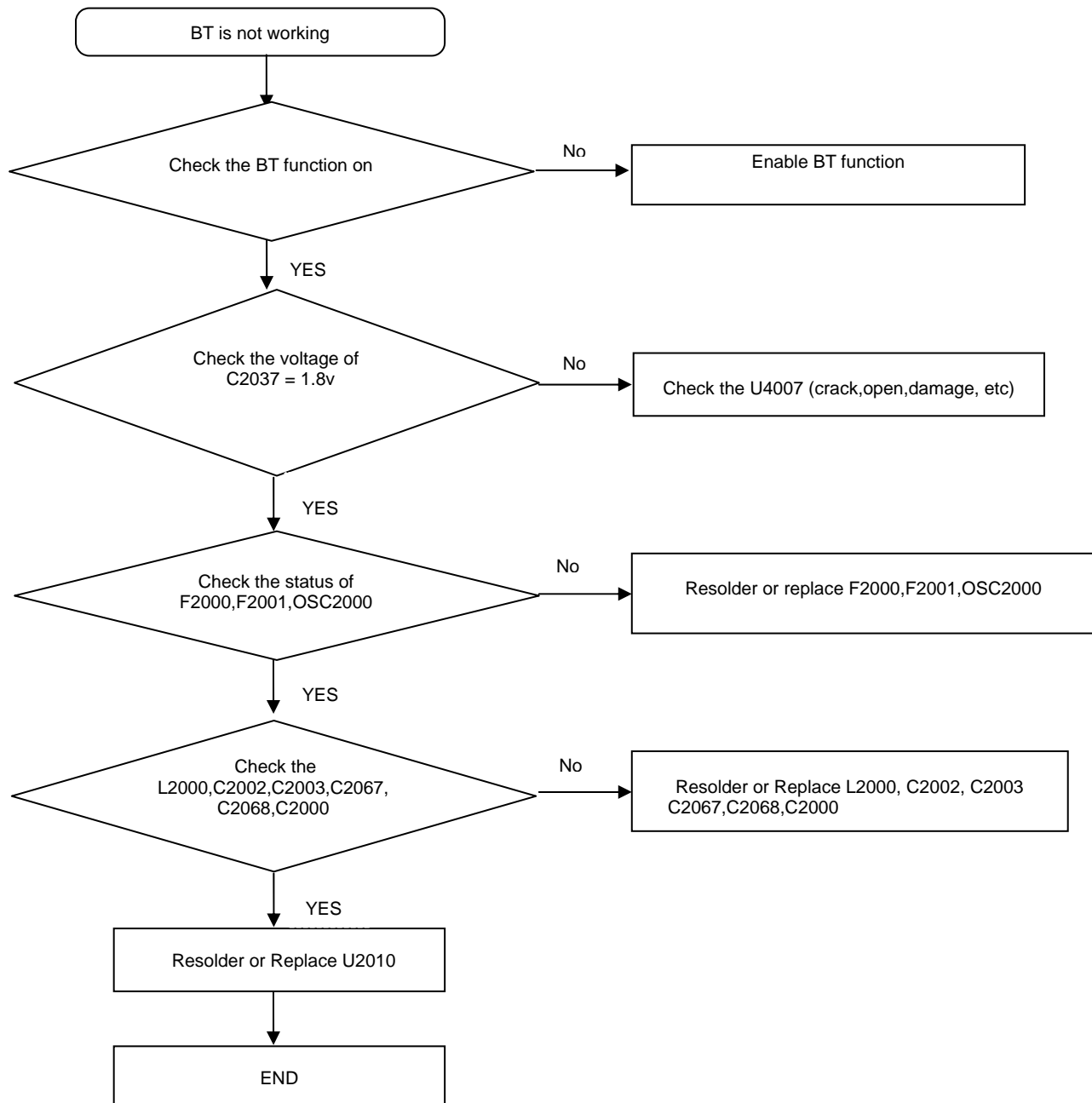
### 8-4-16. 8 M CAM





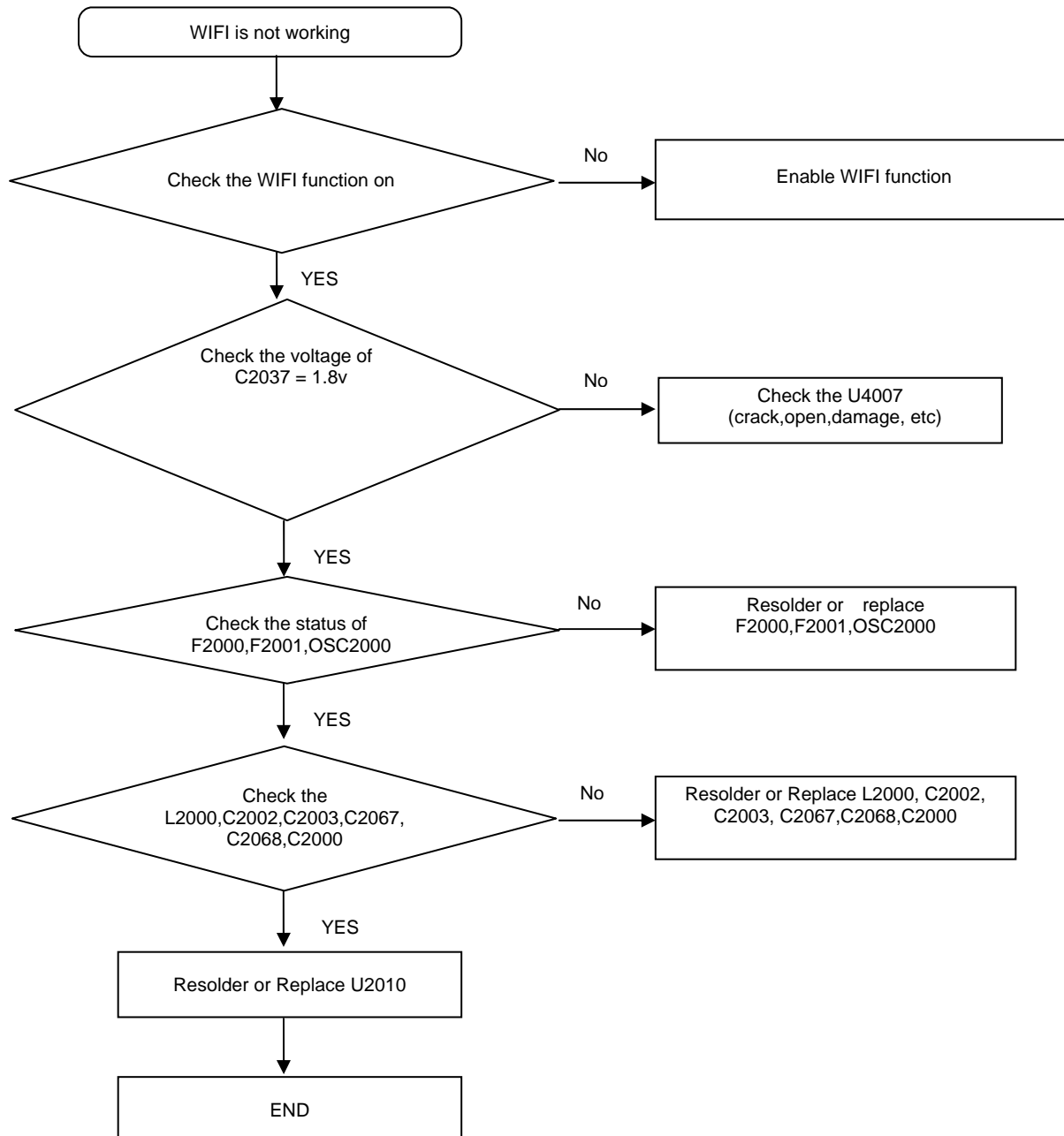
## 8. Level 3 Repair

### 8-4-17. BT part



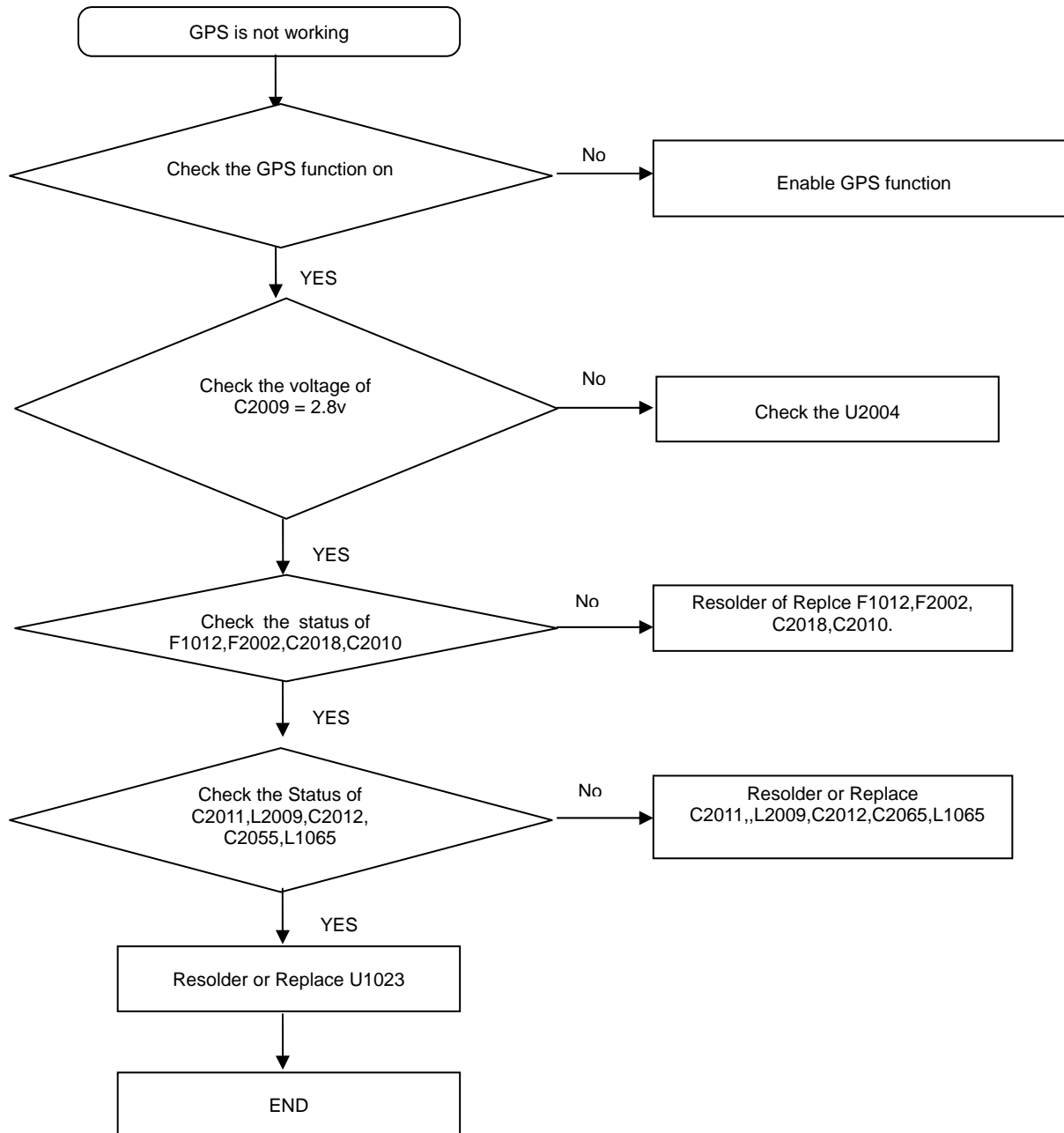
## 8. Level 3 Repair

### 8-4-18. WIFI part



## 8. Level 3 Repair

### 8-4-19. GPS Part



## 9. Reference Abbreviate

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### Reference Abbreviate

- **AAC**: Advanced Audio Coding.
- **AVC** : Advanced Video Coding.
- **BER** : Bit Error Rate
- **BPSK**: Binary Phase Shift Keying
- **CA** : Conditional Access
- **CDM** : Code Division Multiplexing
- **C/I** : Carrier to Interference
- **DMB** : Digital Multimedia Broadcasting
- **EN** : European Standard
- **ES** : Elementary Stream
- **ETSI**: European Telecommunications Standards Institute
- **MPEG**: Moving Picture Experts Group
- **PN** : Pseudo-random Noise
- **PS** : Pilot Symbol
- **QPSK**: Quadrature Phase Shift Keying
- **RS** : Reed-Solomon
- **SI** : Service Information
- **TDM** : Time Division Multiplexing
- **TS** : Transport Stream

# SAMSUNG